

SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 8-K

Current Report

Pursuant to Section 13 or 15(d) of the
Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): June 23, 2008

Commission File Number	Registrant, State of Incorporation, Address and Telephone Number	I.R.S. Employer Identification Number
001-32206	GREAT PLAINS ENERGY INCORPORATED (A Missouri Corporation) 1201 Walnut Street Kansas City, Missouri 64106 (816) 556-2200 NOT APPLICABLE (Former name or former address, if changed since last report)	43-1916803
000-51873	KANSAS CITY POWER & LIGHT COMPANY (A Missouri Corporation) 1201 Walnut Street Kansas City, Missouri 64106 (816) 556-2200 NOT APPLICABLE (Former name or former address, if changed since last report)	44-0308720

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

This combined Current Report on Form 8-K is being furnished by Great Plains Energy Incorporated (Great Plains Energy) and Kansas City Power & Light Company (KCP&L). KCP&L is a wholly owned subsidiary of Great Plains Energy and represents a significant portion of its assets, liabilities, revenues, expenses and operations. Thus, all information contained in this report relates to, and is furnished by, Great Plains Energy. Information that is specifically identified in this report as relating solely to Great Plains Energy, such as its financial statements and all information relating to Great Plains Energy's other operations, businesses and subsidiaries does not relate to, and is not furnished by, KCP&L. KCP&L makes no representation as to that information. Neither Great Plains Energy nor any of its subsidiaries (other than KCP&L) have any obligation in respect of KCP&L's debt securities and holders of such securities should not consider Great Plains Energy's or its other subsidiaries' financial resources or results of operations in making a decision with respect to KCP&L's debt securities. Similarly, KCP&L has no obligation in respect of securities of Great Plains Energy and of its other subsidiaries.

Item 7.01 Regulation FD Disclosure

On June 24, 2008, Great Plains Energy will participate in the Wachovia Securities 18th Annual Nantucket Equity Conference. A copy of the presentation slides to be used at the conference is attached hereto as Exhibit 99.1. The presentation is scheduled for 2:00 p.m. Eastern Time on June 24, 2008. An audio-only webcast link and the presentation slides will be made available in the Investor Relations section of Great Plains Energy's website at www.greatplainsenergy.com.

The information under Item 7.01 and in Exhibit 99.1 hereto is being furnished and shall not be deemed filed for the purpose of Section 18 of the Securities Exchange Act of 1934, as amended. The information under Item 7.01 and Exhibit 99.1 hereto shall not be incorporated by reference into any registration statement or other document pursuant to the Securities Act of 1933, as amended, unless otherwise indicated in such registration statement or other document.

Item 9.01 Financial Statements and Exhibits

(d) Exhibits

99.1 Wachovia Securities 18th Annual Nantucket Equity Conference presentation slides.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

GREAT PLAINS ENERGY INCORPORATED

/s/ Barbara B. Curry
Barbara B. Curry
Senior Vice President-Corporate Services and Corporate Secretary

KANSAS CITY POWER & LIGHT COMPANY

/s/ Barbara B. Curry
Barbara B. Curry
Corporate Secretary

Date: June 23, 2008

Great Plains Energy
Wachovia Securities
18th Annual Nantucket Equity Conference

June 24, 2008



Michael Cline, VP - Investor Relations and Treasurer

Forward Looking Statement

FORWARD-LOOKING STATEMENTS

Statements made in this release that are not based on historical facts are forward-looking, may involve risks and uncertainties, and are intended to be as of the date when made. Forward-looking statements include, but are not limited to, statements regarding projected delivered volumes and margins, the outcome of regulatory proceedings, cost estimates of the comprehensive energy plan and other matters affecting future operations. In connection with the safe harbor provisions of the Private Securities Litigation Reform Act of 1995, the registrants are providing a number of important factors that could cause actual results to differ materially from the provided forward-looking information. These important factors include: future economic conditions in the regional, national and international markets, including but not limited to regional and national wholesale electricity markets; market perception of the energy industry, Great Plains Energy and KCP&L; changes in business strategy, operations or development plans; effects of current or proposed state and federal legislative and regulatory actions or developments, including, but not limited to, deregulation, re-regulation and restructuring of the electric utility industry; decisions of regulators regarding rates KCP&L can charge for electricity; adverse changes in applicable laws, regulations, rules, principles or practices governing tax, accounting and environmental matters including, but not limited to, air and water quality; financial market conditions and performance including, but not limited to, changes in interest rates and in availability and cost of capital and the effects on pension plan assets and costs; credit ratings; inflation rates; effectiveness of risk management policies and procedures and the ability of counterparties to satisfy their contractual commitments; impact of terrorist acts; increased competition including, but not limited to, retail choice in the electric utility industry and the entry of new competitors; ability to carry out marketing and sales plans; weather conditions including weather-related damage; cost, availability, quality and deliverability of fuel; ability to achieve generation planning goals and the occurrence and duration of unplanned generation outages; delays in the anticipated in-service dates and cost increases of additional generating capacity; nuclear operations; ability to enter new markets successfully and capitalize on growth opportunities in non-regulated businesses and the effects of competition; workforce risks including compensation and benefits costs; performance of projects undertaken by non-regulated businesses and the success of efforts to invest in and develop new opportunities; the ability to successfully complete merger, acquisition or divestiture plans (including the acquisition of Aquila, Inc., and Aquila's sale of assets to Black Hills Corporation); and other risks and uncertainties. Other risk factors are detailed from time to time in Great Plains Energy's most recent quarterly report on Form 10-Q or annual report on Form 10-K filed with the Securities and Exchange Commission. This list of factors is not all-inclusive because it is not possible to predict all factors.





GREAT PLAINS ENERGYSM

- \$2.1 billion market capitalization
 - \$5.1 billion in total assets at 3/31/08
 - \$3.3 billion in revenue in FY 2007 (includes \$2.0 billion from Strategic Energy, divested in June 2008)
 - Expanding regulated platform with the proposed acquisition of Aquila
-



Regulated electric utility:

- \$146.4 million in core earnings or \$1.72/share in 2007
- 506,000 customers in KS and MO
- Total generation capacity: over 4,000 MWs
- Net MWhs generated by fuel type:
 - » Coal 72%, nuclear 24%, natural gas and oil 3%, and wind 1%



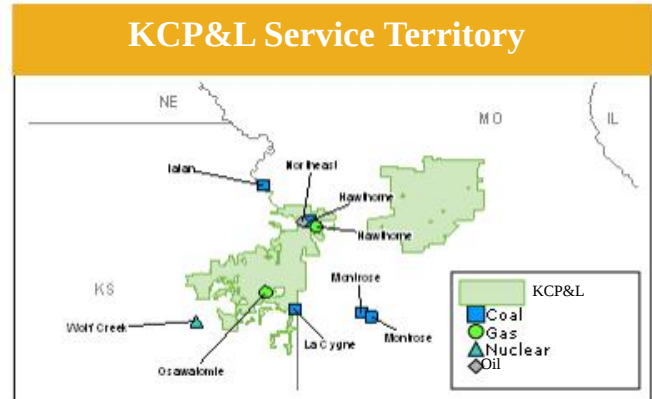
Path to Earnings and Dividend Growth

- Realizable growth in regulated business:
 - » Pure-play, vertically integrated, regulated electric utility with completed sale of Strategic Energy
 - » Aquila transaction complements KCP&L and adds scale and scope
 - » Rate base growth at KCP&L driven by Comprehensive Energy Plan
- Low-cost generating platform; high reliability and customer satisfaction
- Attractive investment profile:
 - » Solid dividend with future growth potential - current dividend yield approximately 6.3%
 - » Solid investment grade rating
 - » Executing our growth plan



KCP&L Overview

- Headquartered in Kansas City, Missouri
- Engage in the generation, transmission, distribution and sale of electricity
- \$4.4 billion in assets at 3/31/08
- Serve over 500,000 customers in 24 counties in western Missouri and eastern Kansas
- Total generation capacity: over 4,000 MWs



- Regulated by commissions in two states:

Missouri:

- » Public Service Commission of the State of Missouri (MPSC)
- » KCP&L's MO jurisdictional revenues averaged 57% of total revenue in 2004-2007

Kansas:

- » The State Corporation Commission of the State of Kansas (KCC)
- » KCP&L's KS jurisdictional revenues averaged 43% of total revenue in 2004-2007



Recognized Excellence in 2007

EEI Edison Award - - Kansas City Power & Light was recognized for distinguished leadership, innovation and contribution to the advancement of the electric industry for its Comprehensive Energy Plan collaboration. (June 2007)

EEI Outstanding Customer Service Award voted Kansas City Power & Light the winner of this award for medium-sized utility. (May 2007)

J.D. Power and Associates recognizes Tier 1 performance. In the Midwest, KCP&L ranks No. 1 on Communications; No. 2 on Power Quality and Reliability, and Billing and Payment; and No. 3 in Overall Satisfaction. (February 2007)

2007 ReliabilityOne™ National Reliability Excellence Award presented by PA Consulting Group to Kansas City Power & Light as the most reliable electric utility nationwide. (October 2007)

EEI Emergency Assistance Award for outstanding efforts to assist fellow utilities in power restoration during 2007. (January 2008)

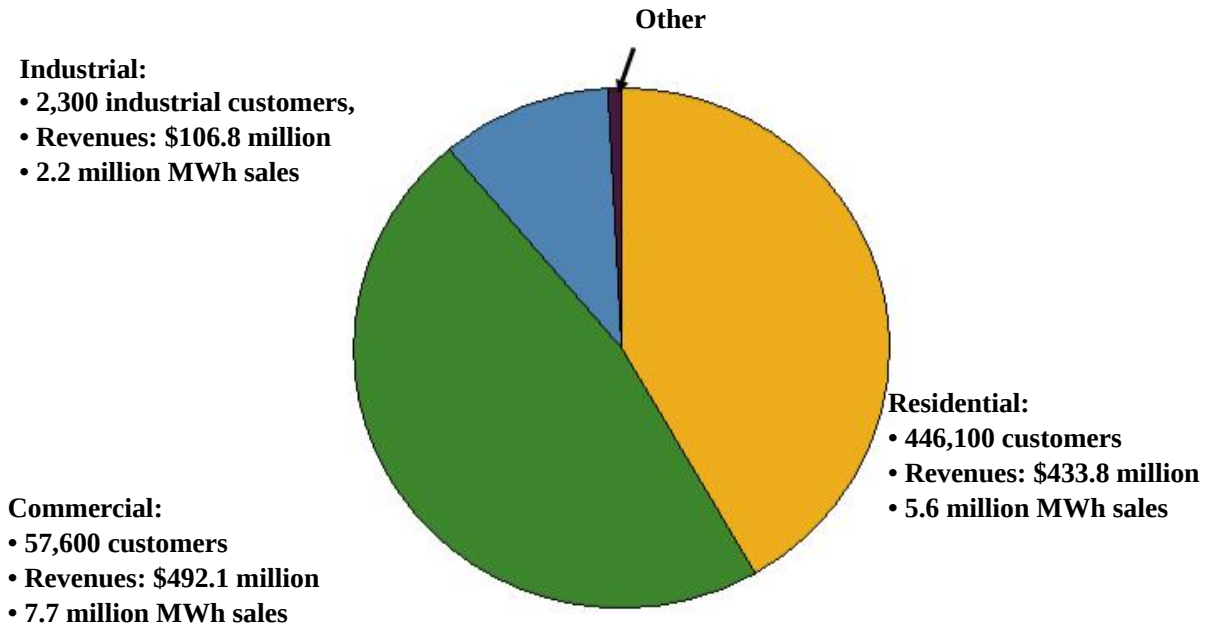
2007 Mid-America Regional Council's Regional Leadership Award presented to Kansas City Power & Light for its outstanding environmental initiatives in metropolitan Kansas City. (June 2007)

David Garcia Award for Environmental Excellence presented by Bridging the Gap for the groundbreaking Collaborative Agreement with Sierra Club and Concerned Citizens of Platte County. (October 2007)



KCP&L - A Steady Retail Customer Base

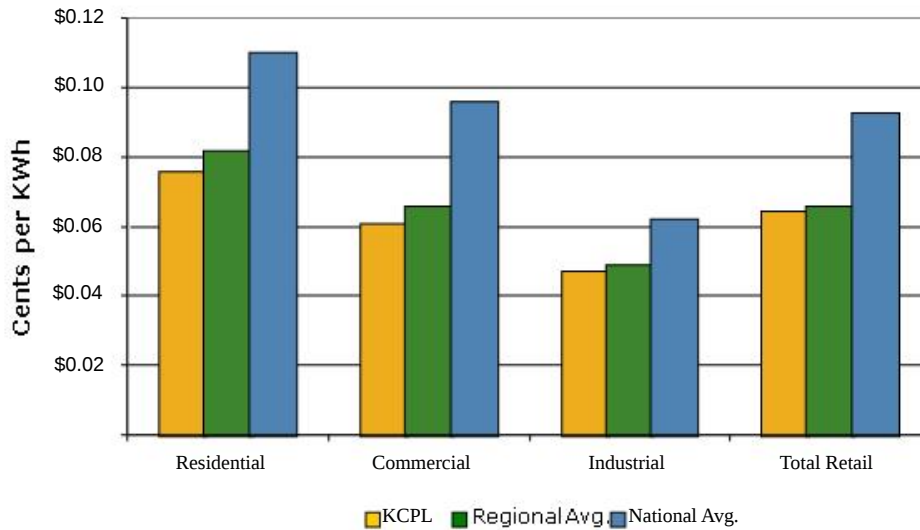
Customer Mix Based on 2007 Revenues



Note: All numbers for full year / as of year-end 2007

KCP&L's Rates Compare Favorably on National & Regional Basis

Comparative Rates by Customer Segment

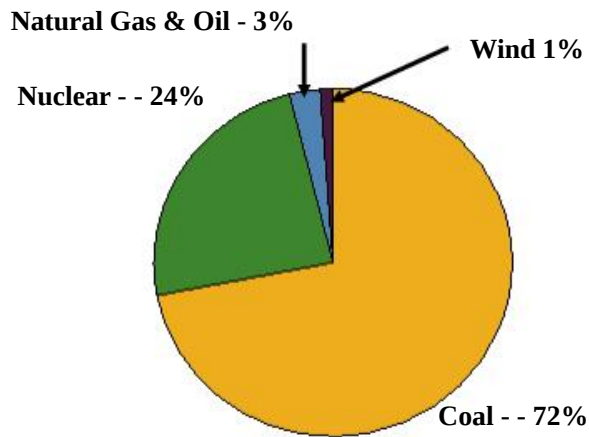


Source: "EEI Typical Bill Rankings Report and Typical Bill/Avg Rates Report for 12 month ended December 2007."
Note: Rate actions after December 30, 2007, including KCP&L's new annual rate increases in MO and KS that were implemented January 1, 2008, are not reflected in this chart

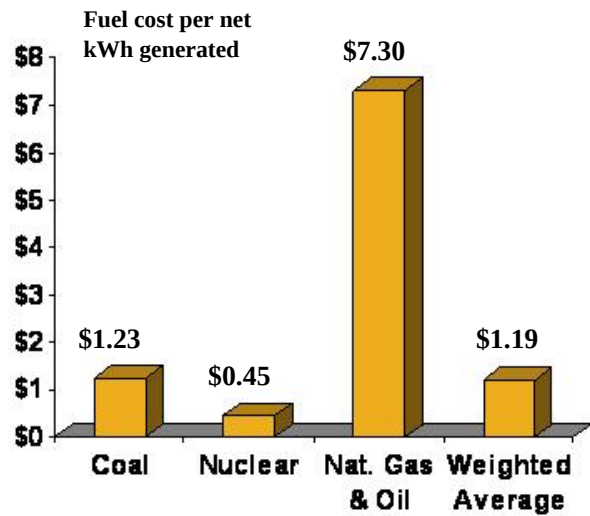


Low-Cost Diverse Generating Fleet

Fuel Mix¹



Fuel Costs



Strong, low cost coal and nuclear generation provides KCP&L competitive generation fleet in a volatile market



Note: All numbers for full year 2007

¹Based on actual net kWh generated

KCP&L's Comprehensive Energy Plan



Investing for Future Energy Demands



Comprehensive Energy Plan Progress

Spearville Wind Energy Facility

- ü 100MW completed on schedule and under budget

LaCygne Environmental Project

- ü **Phase 1:** Unit 1 SCR - Completed on schedule, under budget, and performing per specification
- **Phase 2:** Unit 1 - bag house and scrubber environmental upgrades:
 - » Project Definition Report completed in Q3 2007
 - » Evaluating upgrade of Unit 2 at the same time

Iatan Unit 1 Environmental Project

- Cost / schedule reforecast completed; expected to be in-service early 2009

Iatan Unit 2 Construction

- Cost / schedule reforecast completed; expected to be in-service summer 2010.



Total Iatan 2 Cost per KW

	<u>December 2006</u>	<u>May 2008</u>
	(\$ in millions)	
Estimated Project Cost, Excl. AFDC^{1,2}	\$1,530 - \$1,671	\$1,817 - \$1,921
Project Costs, Less Other Exclusions	\$1,452 - \$1,593	\$1,770 - \$1,874
Total Plant Capacity, in MW	850	850
Project Costs, Less Exclusions / kW	\$1,708 - \$1,874	\$2,083 - \$2,204

- Difficult construction market conditions generally
- Estimated final cost in line with industry
- Similar projects under Construction, Disclosed \$ / KW³
 - » Excel Energy - Comanche 3, Supercritical 750 MW (estimated completion 2009) \$1,733
 - » Duke Energy - Cliffside, Supercritical 800 MW (estimated completion 2012) \$2,250
 - » GenPower Holdings - Longview, Supercritical 769 MW (estimated completion 2011) \$2,367



¹ AFDC = Allowance for Funds Used During Construction

² Also excludes initial coal inventory of \$14 million

³ Source: Research Reports International

Developing Sustainable Resource Strategy

- Develop long range resource plan and file Integrated Resource Plan in Missouri in August 2008
 - » Plan will also include plant availability resources
- Continue to engage community and regulators to develop energy efficiency and demand response as resource alternatives:
 - » Potential energy efficiency projects designed to reduce annual electricity demand 100MW by 2010; additional 200MW by 2012
- Continue development of environmental and renewable generation alternatives
- Potential to pursue an additional 400MW wind generation
- Expected future environmental upgrades at LaCygne Unit 2 for BART and Montrose for CAIR



Projected KCP&L Capital Expenditures 2008-2010

	2008	2009	2010
Base utility construction expenditures		(millions)	
Generating facilities	\$ 79.1	\$ 84.6	\$ 103.8
Distribution and transmission facilities	101.0	89.2	101.3
General facilities	29.6	41.7	33.8
Total base utility construction expenditures	209.7	215.5	238.9
CEP construction expenditures			
Iatan No. 2	328.5	307.9	164.8
Environmental ¹	151.8	120.4	68.9
Customer programs & asset management	18.5	17.4	11.0
Total CEP construction expenditures	498.8	445.7	244.7
Nuclear fuel	16.0	17.5	32.0
Other environmental ¹	3.0	34.8	100.1
Total utility capital expenditures	\$ 727.5	\$ 713.5	\$ 615.7

¹Environmental amounts included in this table are included in the Clean Air Estimated Required Environmental Expenditures table listed in Great Plains Energy's First Quarter 2008 10-Q. KCP&L estimates total remaining required environmental expenditures of \$877 million- \$1.179 billion.

Note: The table does not reflect expenditures that may be incurred related to the addition of 100 MW of wind generation by 2010 and 300 additional MW by 2012, subject to regulatory approval, pursuant to the terms of the Collaboration Agreement.



Liquidity / Financing / Guidance

- GXP & KCP&L solid investment grade
 - » GXP - Senior unsecured rating: Moody's Baa2; S&P BBB-
 - » KCP&L - Senior unsecured rating: Moody's A3; S&P BBB
- GXP and KCP&L are weathering turbulent markets effectively:
 - » GXP issued \$100 million of new 10-year debt in September 2007
 - » KCP&L issued \$350 million of new 10-year bonds in March 2008
 - » KCP&L converted entire auction rate debt portfolio to fixed rate in March 2008
 - » Combined available liquidity of over \$700 million as of 3/31/08¹
- Issuance of equity and debt considerations:
 - » No additional debt in 2008
 - » Equity later in the year
- Proceeds from sale of Strategic Energy to partially offset 2008 financing needs
- GXP will not issue '08 guidance; expect to issue '09 guidance later in the year



¹Includes GXP and KCP&L as of 3/31/08

Aquila Merger

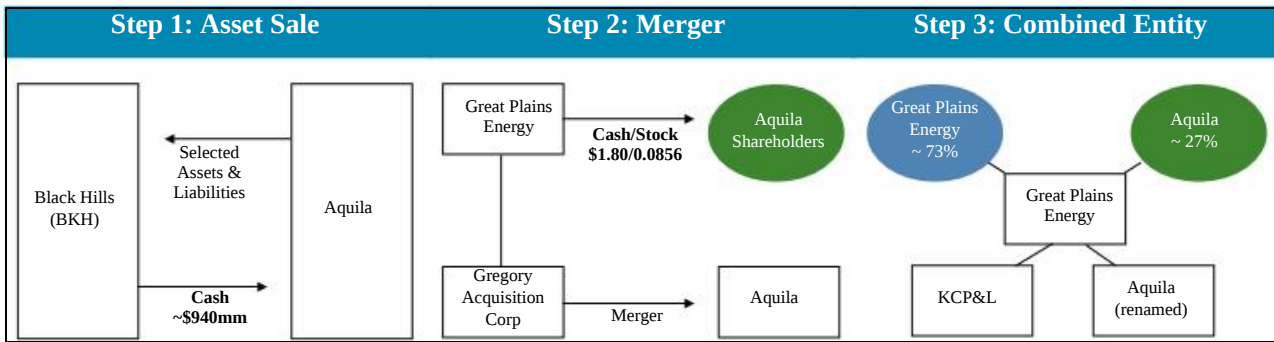


Strategic Rationale

- Focused regional acquisition and attractive strategic growth opportunity
- Solid rate base growth plan
- Strong track record of success working with regulatory, political and community groups
- Adjacent utility territories provide opportunity for integration and significant synergies
- Shared synergies mitigate future rate increases
- Expected to be modestly dilutive to GXP in 2008 and accretive in 2009 forward
- Investment grade credit rating anticipated to reduce financing costs and facilitate access to capital



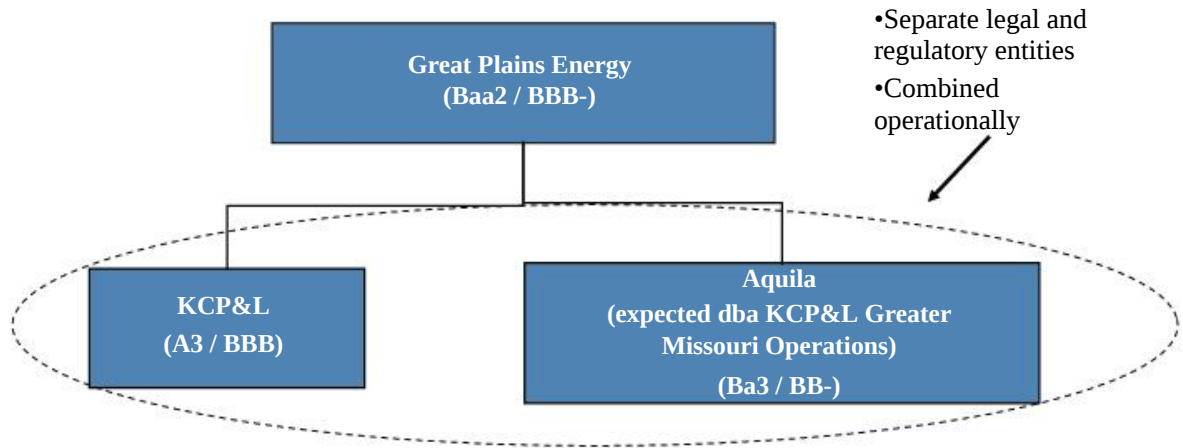
Deal Structure



Implied Merger Consideration	<ul style="list-style-type: none"> „\$4.54 per share based on Great Plains Energy’s closing price on 2/6/07 „Approximately \$4.07 per share based on Great Plains Energy’s closing price on 6/16/08
Form of Consideration	<ul style="list-style-type: none"> „ \$1.80 per Aquila share in cash (approximately 40%) „.0856 shares of Great Plains Energy common stock per Aquila share (approximately 60%)
Structure of Transaction	<ul style="list-style-type: none"> „Great Plains Energy will acquire Aquila in a stock and cash merger. „Immediately before the Great Plains Energy transaction, BKH will acquire from Aquila: Colorado Electric & Gas, Iowa Gas, Kansas Gas, and Nebraska Gas operations for \$940 million in cash (subject to adjustment); BKH has secured \$1B bridge financing. „Transactions are cross-conditioned.



Simplified Post-Transaction Legal Structure



Note: Credit ratings represent senior unsecured ratings assigned by Moody's and S&P, respectively, as of June 23, 2008



Aquila Transaction Update

- Strong support for transaction from shareholders of both companies
- FERC approval received
- Nebraska, Iowa, & Colorado approval of Black Hills transaction
- Kansas approval for Black Hills and Great Plains Energy transactions
- Missouri hearings concluded on May 1; awaiting final Commission order
- Transaction currently anticipated to close in mid-July

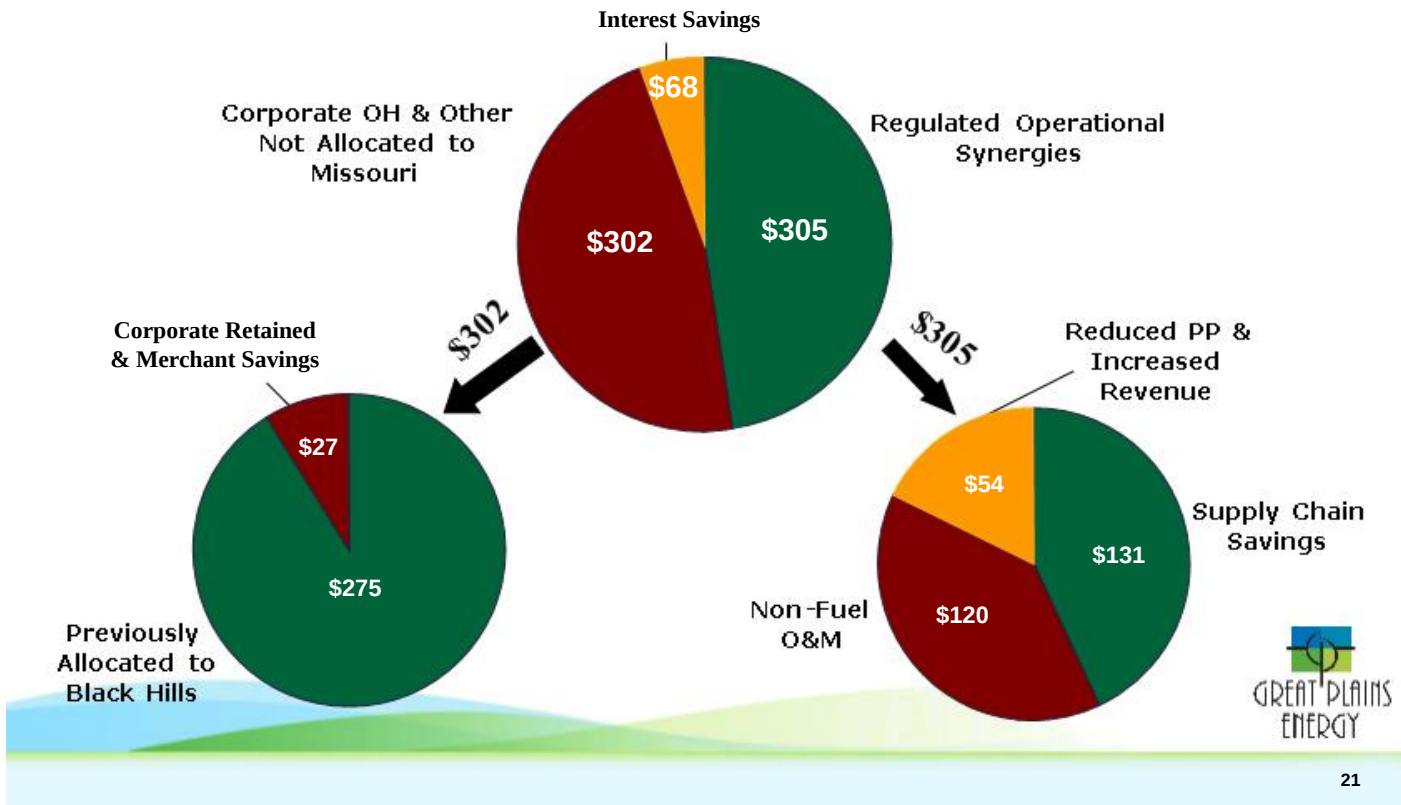


**FORGING A STRONGER
REGIONAL UTILITY**



Significant Synergies Expected

Great Plains Energy expects to realize \$675 million of total savings and synergies over five years



A Path to Growth

2009 and beyond: Extend the platform

- Complete and include Iatan 1 AQCS in rates effective in 2009
- 400 MW of additional wind to be evaluated
- Complete Iatan 2
- Integrate Aquila and deliver synergies
- Additional environmental spending at LaCygne 1 and potentially LaCygne 2
- Continue with sound strategic planning to effectively meet future generation requirements and as an industry leader in energy efficiency
- Increased earnings driven by investments and enhanced by opportunities in Aquila's service territory. Expected dividend growth, with a traditional target payout ratio, to follow

Great Plains Energy

Wachovia Securities 18th Annual Nantucket Equity Conference

June 24, 2008



Michael Cline, VP - Investor Relations and Treasurer
Great Plains Energy

Appendix



GREAT PLAINS ENERGY
Consolidated Earnings and Earnings Per Share
Three Months Ended March 31
(Unaudited)

	Earnings		Earnings per Great Plains Energy Share	
	2008	2007	2008	2007
	(millions)			
KCP&L	\$ 17.0	\$ 2.1	\$ 0.20	\$ 0.02
Strategic Energy	52.9	27.1	0.62	0.33
Other	(22.4)	(5.8)	(0.27)	(0.07)
Net income	47.5	23.4	0.55	0.28
Preferred dividends	(0.4)	(0.4)	-	-
Earnings available for common shareholders	\$ 47.1	\$ 23.0	\$ 0.55	\$ 0.28
Reconciliation of GAAP to Non-GAAP				
Earnings available for common shareholders	\$ 47.1	\$ 23.0	\$ 0.55	\$ 0.28
Reconciling items				
KCP&L - allocation of holding company merger tax benefits	(1.9)	-	(0.02)	-
Strategic Energy - mark-to-market impacts from energy contracts	(48.9)	(34.0)	(0.57)	(0.41)
Strategic Energy - allocation of holding company merger tax benefits	(0.1)	-	-	-
Strategic Energy - sale transaction costs	1.3	-	0.01	-
Other - merger transition non-labor costs	5.2	-	0.06	-
Other - release of legal reserve	(3.4)	-	(0.04)	-
Other - mark-to-market impact of interest rate hedge	13.7	-	0.16	-
Core earnings (loss)	\$ 13.0	\$ (11.0)	\$ 0.15	\$ (0.13)
Core earnings				
KCP&L	\$ 15.1	\$ 2.1	\$ 0.18	\$ 0.02
Strategic Energy	5.2	(6.9)	0.06	(0.08)
Other	(7.3)	(6.2)	(0.09)	(0.07)
Core earnings (loss)	\$ 13.0	\$ (11.0)	\$ 0.15	\$ (0.13)

Core earnings is a non-GAAP financial measure that differs from GAAP earnings because it excludes the effects of certain unusual items and mark-to-market gains and losses on energy contracts. Great Plains Energy believes core earnings provides to investors a meaningful indicator of its results that is comparable among periods because it excludes the effects of items that may not be indicative of Great Plains Energy's prospective earnings potential. Core earnings is used internally to measure performance against budget and in reports for management and the Board of Directors and are a component, subject to adjustment, of employee and executive compensation plans. Investors should note that this non-GAAP measure involves judgments by management, including whether an item is classified as an unusual item, and Great Plains Energy's definition of core earnings may differ from similar terms used by other companies. The impact of these items could be material to operating results presented in accordance with GAAP. Great Plains Energy is unable to reconcile core earnings guidance to GAAP earnings per share because it does not predict the future impact of unusual items and mark-to-market gains or losses on energy contracts.



GREAT PLAINS ENERGY
Consolidated Earnings and Earnings Per Share
Year Ended December 31
(Unaudited)

	Earnings		Earnings per Great Plains Energy Share	
	2007	2006	2007	2006
	(millions)			
KCP&L	\$ 156.8	\$ 149.6	\$ 1.84	\$ 1.91
Strategic Energy	38.4	(9.9)	0.46	(0.13)
Other	(36.0)	(12.1)	(0.42)	(0.15)
Net income	159.2	127.6	1.87	1.63
Preferred dividends	(1.6)	(1.6)	(0.02)	(0.02)
Earnings available for common shareholders	\$ 157.6	\$ 126.0	\$ 1.85	\$ 1.61
Reconciliation of GAAP to Non-GAAP				
Earnings available for common shareholders	\$ 157.6	\$ 126.0	\$ 1.85	\$ 1.61
Reconciling items				
KCP&L - allocation of holding company merger tax benefits	(5.7)	-	(0.07)	-
KCP&L - skill set realignment costs	(5.5)	5.8	(0.06)	0.07
KCP&L - mark-to-market impact of interest rate hedge	0.8	-	0.01	-
KCP&L - Hawthorn No. 5 litigation recoveries	-	(14.4)	-	(0.18)
Strategic Energy - mark-to-market impacts from energy contracts	(31.3)	33.4	(0.37)	0.43
Strategic Energy - allocation of holding company merger tax benefits	(0.3)	-	-	-
Strategic Energy - alternatives review retention	0.8	-	0.01	-
Other - merger transition non-labor costs	6.7	-	0.08	-
Other - mark-to-market impact of interest rate hedge	10.3	-	0.12	-
Other - skill set realignment costs	-	0.1	-	-
Core earnings	\$ 133.4	\$ 150.9	\$ 1.57	\$ 1.93
Core earnings				
KCP&L	\$ 146.4	\$ 141.0	\$ 1.72	\$ 1.80
Strategic Energy	7.6	23.5	0.09	0.30
Other	(20.6)	(13.6)	(0.24)	(0.17)
Core earnings	\$ 133.4	\$ 150.9	\$ 1.57	\$ 1.93

Core earnings is a non-GAAP financial measure that differs from GAAP earnings because it excludes the effects of certain unusual items and mark-to-market gains and losses on energy contracts. Great Plains Energy believes core earnings provides to investors a meaningful indicator of its results that is comparable among periods because it excludes the effects of items that may not be indicative of Great Plains Energy's prospective earnings potential. Core earnings is used internally to measure performance against budget and in reports for management and the Board of Directors and are a component, subject to adjustment, of employee and executive incentive compensation plans. Investors should note that this non-GAAP measure involves judgments by management, including whether an item is classified as an unusual item, and Great Plains Energy's definition of core earnings may differ from similar terms used by other companies. The impact of these items could be material to operating results presented in accordance with GAAP. Great Plains Energy is unable to reconcile core earnings guidance to GAAP earnings per share because it does not predict the future impact of unusual items and mark-to-market gains or losses on energy contracts.



