A photograph of a wind farm with several white wind turbines and a large metal lattice transmission tower in the center. The sky is clear and blue.

SECOND QUARTER 2017 BUSINESS AND FINANCIAL UPDATE

August 10, 2017

Presented by:

Terry Bassham

Chairman, President and CEO

Kevin Bryant

SVP Finance and Strategy and CFO

FORWARD-LOOKING STATEMENTS

Statements made in this presentation 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 relating to the anticipated merger transaction of Great Plains Energy and Westar Energy, Inc. (Westar Energy), including those that relate to the expected financial and operational benefits of the merger to the companies and their shareholders (including cost savings, operational efficiencies and the impact of the anticipated merger on earnings per share), the expected timing of closing, the outcome of regulatory proceedings, cost estimates of capital projects, redemption of Great Plains Energy's convertible preferred stock, dividend growth, share repurchases, balance sheet and credit ratings, rebates to customers, employee issues and other matters affecting future operations. In connection with the safe harbor provisions of the Private Securities Litigation Reform Act of 1995, Great Plains Energy is 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 regional, national and international markets and their effects on sales, prices and costs; prices and availability of electricity in regional and national wholesale markets; market perception of the energy industry, Great Plains Energy and Westar Energy; changes in business strategy, operations or development plans; the outcome of contract negotiations for goods and services; 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 that the companies 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 credit spreads and in availability and cost of capital and the effects on derivatives and hedges, nuclear decommissioning trust and pension plan assets and costs; impairments of long-lived assets or goodwill; 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, including, but not limited to, cyber terrorism; ability to carry out marketing and sales plans; weather conditions including, but not limited to, weather-related damage and their effects on sales, prices and costs; cost, availability, quality and deliverability of fuel; the inherent uncertainties in estimating the effects of weather, economic conditions and other factors on customer consumption and financial results; ability to achieve generation goals and the occurrence and duration of planned and unplanned generation outages; delays in the anticipated in-service dates and cost increases of generation, transmission, distribution or other projects; Great Plains Energy's and Westar Energy's ability to successfully manage and integrate their respective transmission joint ventures; the inherent risks associated with the ownership and operation of a nuclear facility including, but not limited to, environmental, health, safety, regulatory and financial risks; workforce risks, including, but not limited to, increased costs of retirement, health care and other benefits; the ability of Great Plains Energy and Westar Energy to obtain the regulatory and shareholder approvals necessary to complete the anticipated merger or the imposition of adverse conditions or costs in connection with obtaining regulatory approvals; the risk that a condition to the closing of the anticipated merger may not be satisfied or that the anticipated merger may fail to close; the outcome of any legal proceedings, regulatory proceedings or enforcement matters that may be instituted relating to the anticipated merger; the costs incurred to consummate the anticipated merger; the possibility that the expected value creation from the anticipated merger will not be realized, or will not be realized within the expected time period; difficulties related to the integration of the two companies, the credit ratings of the combined company following the anticipated merger; disruption from the anticipated merger making it more difficult to maintain relationships with customers, employees, regulators or suppliers; the diversion of management time and attention on the anticipated merger; and other risks and uncertainties.

ADJUSTED EPS NON-GAAP FINANCIAL MEASURES

In addition to earnings available for common shareholders, Great Plains Energy's management uses adjusted earnings (non-GAAP) and adjusted earnings per share (non-GAAP) to evaluate earnings and earnings per share without the impact of the anticipated merger with Westar. Adjusted earnings (non-GAAP) and adjusted earnings per share (non-GAAP) exclude certain costs, expenses, gains, losses and the per share dilutive effect of equity issuances resulting from the anticipated merger and the previous plan to acquire Westar. This information is intended to enhance an investor's overall understanding of results. Adjusted earnings (non-GAAP) and adjusted earnings per share (non-GAAP) are used internally to measure performance against budget and in reports for management and the Board of Directors. Adjusted earnings (non-GAAP) and adjusted earnings per share (non-GAAP) are financial measures that are not calculated in accordance with GAAP and may not be comparable to other companies' presentations or more useful than the GAAP information.

Great Plains Energy provides its earnings guidance based on a non-GAAP measure and does not provide the most directly comparable GAAP measure or a reconciliation to the most directly comparable GAAP measure due to the inherent difficulty in forecasting and quantifying certain amounts that are necessary for such reconciliation, including certain costs, expenses, gains, losses and the per share dilutive effect of equity issuances resulting from the anticipated merger and the previous plan to acquire Westar that are reflected in Great Plains Energy's reconciliation of historic adjusted earnings (non-GAAP) and adjusted earnings per share (non-GAAP) numbers found in the appendix, the amounts of which, could be significant.

TOPICS FOR DISCUSSION

BUSINESS UPDATE

- Great Plains Energy and Westar Merger Update
- Legislative and Regulatory Priorities
- Update on Strategic Plan

FINANCIAL UPDATE

- Second Quarter and Year to Date 2017 Results

BUSINESS UPDATE



Terry Bassham
Chairman, President and CEO

MERGER OF EQUALS WITH WESTAR CREATES A LEADING MIDWEST UTILITY

ANTICIPATE CLOSING IN FIRST HALF 2018

MERGER OF EQUALS DRIVES VALUE FOR SHAREHOLDERS, CUSTOMERS AND COMMUNITIES

- Transaction structure creates stronger company and addresses regulatory concerns
- Significantly accretive to both Great Plains Energy and Westar Energy with top-quartile shareholder returns
- Unique combination provides maximum cost savings for customers; better ability to earn allowed returns in all jurisdictions
- Strong credit profile and balance sheet affords financial flexibility for targeted investment
- Planned post-closing share repurchases to rebalance capital structure
- Working with key stakeholders toward goal of concluding earlier than 300 day Kansas calendar

APPROVALS AND TIMING

STAKEHOLDER	FILING TIMING	APPROVAL ANTICIPATED
Great Plains Energy and Westar Energy shareholders	3Q17	4Q17
KCC	Late August 2017	1Q18 – 2Q18
MPSC	Late August 2017	1Q18 – 2Q18
FERC	Late August 2017	4Q17 – 1Q18
NRC	Late August 2017	4Q17 – 1Q18
U.S. DOJ/FTC (Hart-Scott-Rodino)	3Q17 – 4Q17	4Q17 – 1Q18
FCC	4Q17 – 1Q18	4Q17 – 1Q18

OUR REGULATORY PRIORITIES

MANAGING LEGISLATIVE AND REGULATORY ENVIRONMENT

Focused on earning our allowed return in all jurisdictions to optimize capital allocation and deliver attractive risk-adjusted returns

- Sharp focus on capital allocation and investing in our utilities in a manner consistent with existing regulatory frameworks
- Will continue to work towards comprehensive regulatory reform in Missouri
- Will continue with planned rate applications in all jurisdictions late 2017 / early 2018



OUR STRATEGIC PRIORITIES

CREATING A LEADING MIDWEST ELECTRIC UTILITY

Continue to promote the economic strength of the region,
enhance the customer experience and grow earnings

BEST-IN-CLASS OPERATIONS IN A GROWING SERVICE TERRITORY

- Disciplined execution to deliver reliable and low cost power
- Focused on earning our allowed return by actively managing regulatory lag
- Proactive economic development
- Transition toward sustainable energy portfolio

CUSTOMER ENGAGEMENT

- Responsive to changing customer expectations
 - Technology investments that facilitate more informed customer interaction
 - Comprehensive suite of energy-related products and services

TARGETED INVESTMENTS

- Capital allocation strategy balancing growth opportunities, dividends and return of capital
 - Merger of equals with Westar Energy
 - Utility rate base investment
 - National transmission opportunities
 - Share repurchases following closing of the merger with Westar Energy

FINANCIAL UPDATE

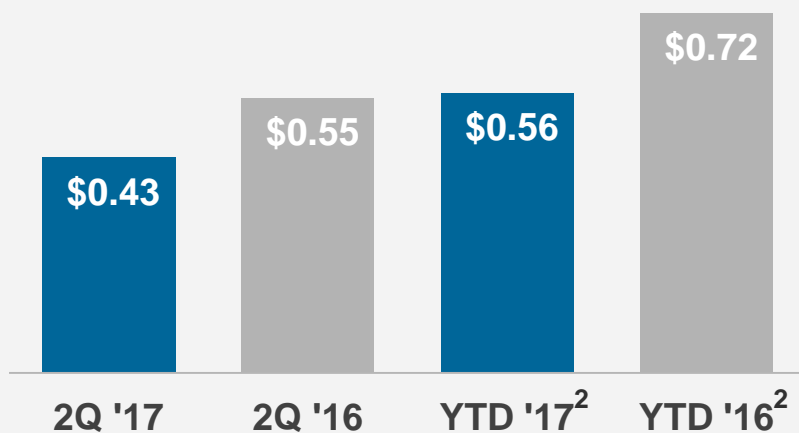


Kevin Bryant
SVP Finance and Strategy and CFO

SECOND QUARTER AND YEAR TO DATE RESULTS 2017 vs 2016

- Second quarter 2017 GAAP loss of \$0.10 per share compared to earnings of \$0.20 in prior year
- June 30, 2017 GAAP loss of \$0.22 per share compared to earnings of \$0.37 in prior year

ADJUSTED EPS (NON-GAAP)¹



ADJUSTED EPS (NON-GAAP) 2017 COMPARED TO 2016¹

	2Q	YTD ²
Weather	\$(0.09)	\$(0.10)
Weather-normalized demand	0.05	0.07
MEEIA throughput disincentive	(0.03)	(0.04)
Depreciation & Amortization	(0.04)	(0.06)
Other	(0.01)	(0.03)
Total	\$(0.12)	\$(0.16)

1. A reconciliation of adjusted EPS (non-GAAP) to GAAP EPS can be found in the appendix
 2. As of June 30, 2017

SERVING A GROWING REGION

Economic climate in the Kansas City region remains favorable

- Improving residential real estate and jobs market leading to continued customer growth
- Kansas City region continues to grow its presence as a hub for e-commerce and logistics given its central geographic location and well-developed transportation and distribution network
- Major national employers including Amazon, United Parcel Service and Cerner have announced plans to expand in our service territory

EMPLOYMENT FIGURES



Jobs numbers are up:

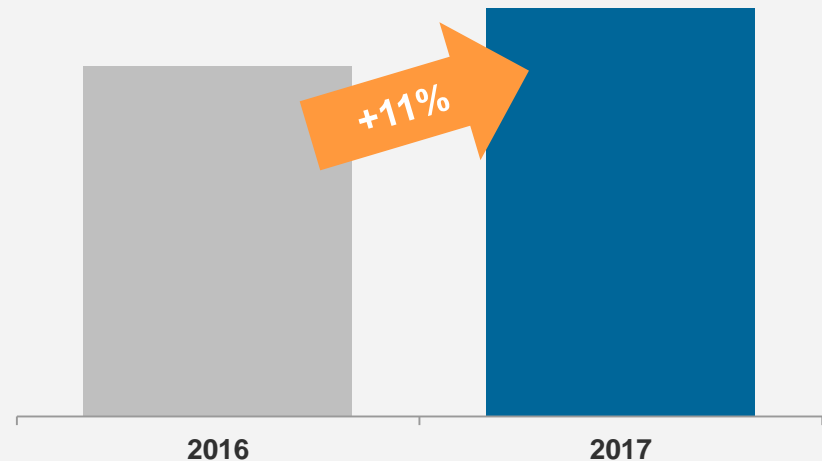
- 72 consecutive months of job growth through June 2017



Unemployment numbers are down:

- Unemployment rate of 3.8% in June 2017 compared with 4.5% in 2016

YTD JUNE 30 HOUSING PERMITS



SECOND QUARTER 2017 EARNINGS PRESENTATION

APPENDIX

RECONCILIATION OF EARNINGS AND EARNINGS PER SHARE TO ADJUSTED EARNINGS AND EARNINGS PER SHARE (NON-GAAP)

GREAT PLAINS ENERGY (UNAUDITED)

Three Months Ended June 30

	Earnings (Loss)		Earnings (Loss) per Great Plains Energy Share	
	2017	2016	2017	2016
GAAP Earnings	(millions)			
Electric Utility	\$ 68.4	\$ 88.3	\$ 0.32	\$ 0.57
Other	(75.4)	(56.3)	(0.35)	(0.37)
Net income (loss)	(7.0)	32.0	(0.03)	0.20
Preferred dividends	(15.1)	(0.4)	(0.07)	-
Earnings (loss) available for common shareholders	\$ (22.1)	\$ 31.6	\$ (0.10)	\$ 0.20
Reconciliation of GAAP to Non-GAAP				
Earnings (loss) available for common shareholders	\$ (22.1)	\$ 31.6	\$ (0.10)	\$ 0.20
Costs to achieve the anticipated merger with Westar:				
Operating expenses, pre-tax ^(a)	(12.6)	5.0	(0.08)	0.03
Financing, pre-tax ^(b)	50.7	4.7	0.33	0.03
Mark-to-market impacts of interest rate swaps, pre-tax ^(c)	42.2	77.0	0.27	0.50
Interest income, pre-tax ^(d)	(10.6)	-	(0.07)	-
Loss on Series B Preferred Stock dividend make-whole provision, pre-tax ^(e)	57.1	-	0.37	-
Income tax benefit ^(f)	(52.8)	(32.7)	(0.35)	(0.21)
Preferred stock ^(g)	15.1	-	0.10	-
Impact of October 2016 share issuance ^(h)	n/a	n/a	(0.04)	-
Adjusted Earnings (Non-GAAP)	\$ 67.0	\$ 85.6	\$ 0.43	\$ 0.55
Average Shares Outstanding			(millions)	
Shares used in calculating diluted earnings per share			215.5	154.8
Adjustment for October 2016 share issuance ^(h)			(60.5)	-
Shares used in calculating adjusted earnings per share (Non-GAAP)			155.0	154.8

^(a) Reflects legal, advisory and consulting fees, certain severance expenses and a fair value adjustment to the forward contract to issue 7.25% Mandatory Convertible Preferred Stock, Series A and are included in Costs to achieve the anticipated merger with Westar on the consolidated statements of comprehensive income (loss).

^(b) Reflects fees and interest incurred to finance the acquisition of Westar under the May 2016 Merger Agreement, including fees for a bridge term loan facility and interest on Great Plains Energy's \$4.3 billion senior notes issued in March 2017 and are included in Interest charges on the consolidated statements of comprehensive income (loss).

^(c) Reflects the mark-to-market loss on interest rate swaps entered into in connection with financing the acquisition of Westar under the May 2016 Merger Agreement and is included in Interest charges on the consolidated statements of comprehensive income (loss).

^(d) Reflects interest income earned on the proceeds from Great Plains Energy's October 2016 equity offerings and March 2017 issuance of senior notes to fund the cash consideration for the acquisition of Westar under the May 2016 Merger Agreement and is included in Non-operating income on the consolidated statements of comprehensive income (loss).

^(e) Reflects the fair value adjustment recorded within Loss on Series B Preferred Stock dividend make-whole provisions on the consolidated statements of comprehensive income (loss).

^(f) Reflects an income tax effect calculated at a 38.9% statutory rate, with the exception of certain non-deductible legal and financing fees.

^(g) Reflects reductions to earnings available for common shareholders related to preferred stock dividend requirements for Great Plains Energy's 7.00% Series B Mandatory Convertible Preferred Stock issued in October 2016 and is included in Preferred stock dividend requirements on the consolidated statements of comprehensive income (loss).

^(h) Reflects the average share impact of Great Plains Energy's issuance of 60.5 million shares of common stock in October 2016.

RECONCILIATION OF EARNINGS AND EARNINGS PER SHARE TO ADJUSTED EARNINGS AND EARNINGS PER SHARE (NON-GAAP)

GREAT PLAINS ENERGY (UNAUDITED)

Year to Date June 30				
	Earnings (Loss)		Earnings (Loss) per Great Plains Energy Share	
	2017	2016	2017	2016
GAAP Earnings	(millions)			
Electric Utility	\$ 84.5	\$ 117.3	\$ 0.39	\$ 0.76
Other	(101.1)	(58.9)	(0.47)	(0.39)
Net income (loss)	(16.6)	58.4	(0.08)	0.37
Preferred dividends	(30.2)	(0.8)	(0.14)	-
Earnings (loss) available for common shareholders	\$ (46.8)	\$ 57.6	\$ (0.22)	\$ 0.37
Reconciliation of GAAP to Non-GAAP				
Earnings (loss) available for common shareholders	\$ (46.8)	\$ 57.6	\$ (0.22)	\$ 0.37
Costs to achieve the anticipated merger with Westar:				
Operating expenses, pre-tax ^(a)	26.8	5.0	0.17	0.03
Financing, pre-tax ^(b)	77.3	4.7	0.50	0.03
Mark-to-market impacts of interest rate swaps, pre-tax ^(c)	30.1	77.0	0.19	0.50
Interest income, pre-tax ^(d)	(15.2)	-	(0.10)	-
Loss on Series B Preferred Stock dividend make-whole provision, pre-tax ^(e)	57.1	-	0.37	-
Income tax benefit ^(f)	(72.6)	(32.7)	(0.46)	(0.21)
Preferred stock ^(g)	30.2	-	0.19	-
Impact of October 2016 share issuance ^(h)	n/a	n/a	(0.08)	-
Adjusted Earnings (Non-GAAP)	\$ 86.9	\$ 111.6	\$ 0.56	\$ 0.72
Average Shares Outstanding	(millions)			
Shares used in calculating diluted earnings per share			215.4	154.9
Adjustment for October 2016 share issuance ^(h)			(60.5)	-
Shares used in calculating adjusted earnings per share (Non-GAAP)			154.9	154.9

^(a) Reflects legal, advisory and consulting fees, certain severance expenses and a fair value adjustment to the forward contract to issue 7.25% Mandatory Convertible Preferred Stock, Series A and are included in Costs to achieve the anticipated merger with Westar on the consolidated statements of comprehensive income (loss).

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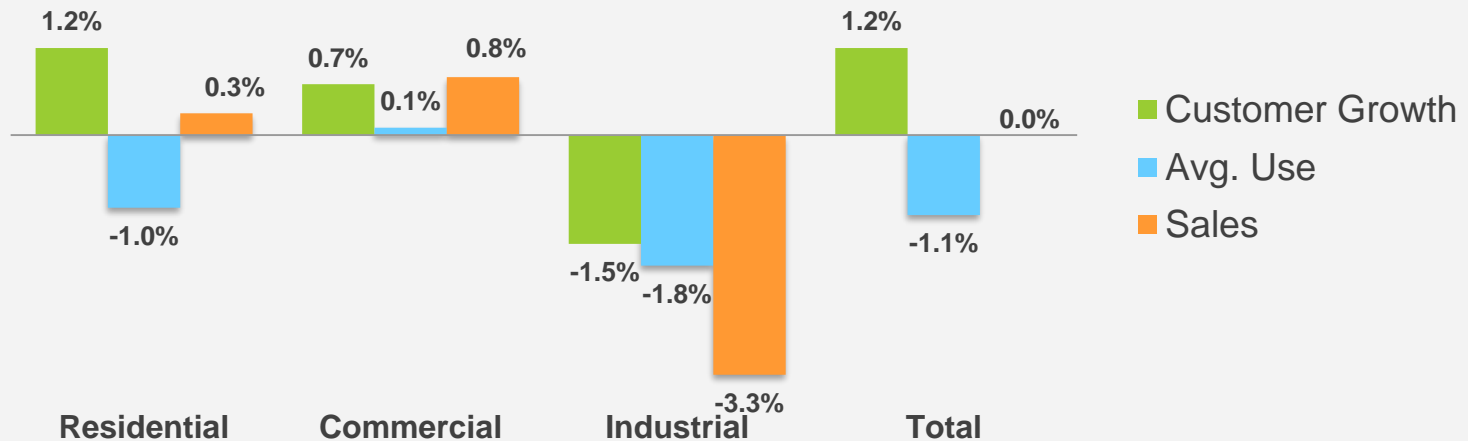
^(h) Reflects the average share impact of Great Plains Energy's issuance of 60.5 million shares of common stock in October 2016.

WEATHER-NORMALIZED DEMAND TRENDS

12-MONTHS ENDED JUNE 30, 2017

- For the 12-months ended June 30, 2017:
 - Customer growth of 1.2%
 - Weather-normalized sales net of estimated 0.7% impact from our energy efficiency programs

WEATHER-NORMALIZED RETAIL SALES GROWTH



ACQUISITION FINANCING UNWIND LEADS TO STRENGTHENED CREDIT PROFILE

- Initiated unwind of acquisition financing following MOE announcement, with an anticipated cost of approximately \$140 million
- Redemption of acquisition debt results in improved credit quality:
 - Moody's upgraded GPE to Baa2 from Baa3 with stable outlook
 - S&P affirmed ratings and revised outlook to positive for GPE and subsidiaries
- Expect to repurchase approximately 30 million shares of common stock in each of the first two years after closing to return excess cash to shareholders and maintain a balanced capital structure

STEPS TO UNWIND GREAT PLAINS ENERGY DEBT AND EQUITY FINANCING

Debt	Plan	Status
\$4.3 billion Senior Unsecured Notes	Redeem	Complete
Remaining Bridge Commitment	Terminate	Complete

Equity	Plan	Status
OMERS Mandatory Convertible Preferred Purchase Agreement	Terminate	Complete
Public Mandatory Convertible Preferred	Redeem	Aug. 2017 ¹
Public Common Stock	Repurchases	Post-closing

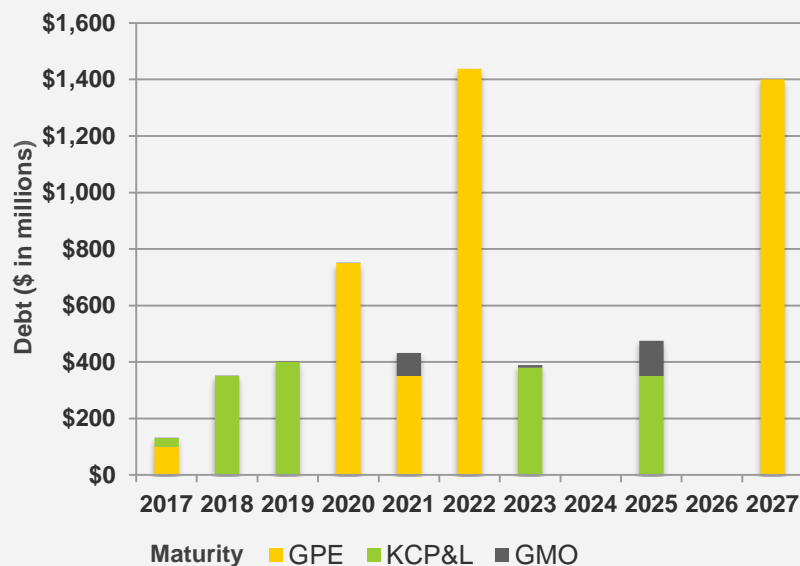
1. On July 13, 2017, Great Plains Energy issued a notice of redemption. The redemption date is August 17, 2017.

DEBT PROFILE AND CREDIT RATINGS

GREAT PLAINS ENERGY DEBT AT JUNE 30, 2017

Debt (\$ in millions)	KCP&L		GMO ¹		GPE		Consolidated	
	Amount	Rate ²	Amount	Rate ²	Amount	Rate ²	Amount	Rate ²
Short-term debt	\$281.8	1.59%	\$315.0	1.52%	\$0.0		\$596.8	1.55%
Long-term debt ³	2,612.6	4.82%	443.3	5.02%	4,997.9 ⁴	3.91%	8,053.8	4.27%
Total	\$2,894.4	4.51%	\$758.3	3.57%	\$4,997.9⁴	3.91%	\$8,650.6	4.08%⁵

LONG-TERM DEBT MATURITIES⁶



CURRENT CREDIT RATINGS

	Moody's	Standard & Poors
Great Plains Energy		
Outlook	Stable	Positive
Corporate Credit Rating	–	BBB+
Senior Unsecured Debt	Baa2	BBB
KCP&L		
Outlook	Stable	Positive
Senior Secured Debt	A2	A
Senior Unsecured Debt	Baa1	BBB+
Commercial Paper	P-2	A-2
GMO		
Outlook	Stable	Positive
Senior Unsecured Debt	Baa2	BBB+
Commercial Paper	P-2	A-2

¹Great Plains Energy guarantees approximately 46% of GMO's debt; ²Weighted Average Rates—excludes premium/discounts and other amortizations;

³Includes current maturities of long-term debt; ⁴Includes \$4.3B worth of debt that was redeemed July 19, 2017 in connection with the revised merger agreement ⁵Secured debt=\$687M (8%), Unsecured debt=\$7,963M (92%); ⁶Includes long-term debt maturities through December 31, 2027

INVESTOR RELATIONS INFORMATION

NYSE: GREAT PLAINS ENERGY (GXP)

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