
**UNITED STATES
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) October 28, 2010

WESTAR ENERGY, INC.

(Exact name of registrant as specified in its charter)

KANSAS
(State or other jurisdiction of
incorporation or organization)

1-3523
(Commission File Number)

48-0290150
(IRS Employer
Identification No.)

818 South Kansas Avenue, Topeka, Kansas
(Address of principal executive offices)

66612
(Zip Code)

Registrant's telephone number, including area code (785) 575-6300

Not Applicable
(Former name or former address, if changed since last report)

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))
-
-

Section 7. Regulation FD

Item 7.01. Regulation FD Disclosure.

On October 31-November 3, 2010, we will participate in the Edison Electric Institute Financial Conference in Palm Desert, California. The presentation slides to be used at the conference are attached to this report as Exhibit 99.1, which exhibit is incorporated herein by this reference. The full presentation is also available to the public on our website, <http://www.WestarEnergy.com>, under Investors, Investor Presentations.

The information above is being furnished, not filed, pursuant to Item 7.01 of Form 8-K. Accordingly, the information in Item 7.01 of this Current Report, including the information attached hereto as Exhibit 99.1, will not be incorporated by reference into any registration statement filed by the Company under the Securities Act of 1933, as amended, unless specifically identified therein as being incorporated by reference.

Section 9. Financial Statements and Exhibits

Item 9.01. Financial Statements and Exhibits.

Exhibit 99.1 Westar Energy, Inc. presentation slides

Forward-looking statements: Certain matters discussed in this Current Report on Form 8-K are “forward-looking statements.” The Private Securities Litigation Reform Act of 1995 has established that these statements qualify for safe harbors from liability. Forward-looking statements may include words like “believe,” “anticipate,” “target,” “expect,” “pro forma,” “estimate,” “intend,” “guidance” or words of similar meaning. Forward-looking statements describe future plans, objectives, expectations or goals. Although we believe that our expectations are based on reasonable assumptions, all forward-looking statements involve risk and uncertainty. The factors that could cause actual results to differ materially from these forward-looking statements include those discussed herein as well as (1) those discussed in our Annual Report on Form 10-K for the year ended Dec. 31, 2009 (a) under the heading, “Forward-Looking Statements,” (b) in ITEM 1A. Risk Factors, (c) in ITEM 7. Management’s Discussion and Analysis of Financial Condition and Results of Operations, and (d) in ITEM 8. Financial Statements and Supplementary Data: Notes 13 and 15; (2) those discussed in our Quarterly Report on Form 10-Q filed October 28, 2010 (a) in ITEM 7. Management’s Discussion and Analysis of Financial Condition and Results of Operations and (b) in Part I, Financial Information, ITEM 1. Financial Statements: Notes 7 and 8; and (3) other factors discussed in our filings with the Securities and Exchange Commission. Any forward-looking statement speaks only as of the date such statement was made, and we do not undertake any obligation to update any forward-looking statement to reflect events or circumstances after the date on which such statement was made.

SIGNATURE

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.

Date: October 28, 2010

Westar Energy, Inc.

By: /s/ Larry D. Irick
Name: Larry D. Irick
Title: Vice President, General Counsel
and Corporate Secretary

EXHIBIT INDEX

<u>Exhibit Number</u>	<u>Description of Exhibit</u>
Exhibit 99.1	Westar Energy, Inc. presentation slides



45th Annual EEI Financial Conference

Oct 31 – Nov 3, 2010
Palm Desert, CA

Forward Looking Disclosures

The following presentation contains some “forward-looking statements” with respect to Westar Energy, Inc.’s (“Westar”) future plans, expectations and goals, including management’s expectations with respect to future operating results and dividend growth. The Private Securities Litigation Reform Act of 1995 has established that these statements qualify for safe harbors from liability.

Although we believe that the expectations and goals reflected in such forward-looking statements are based on reasonable assumptions, all forward-looking statements involve risk and uncertainty. The factors that could cause actual results to differ materially from these forward-looking statements include those discussed herein as well as (1) those discussed in our Annual Report on Form 10-K for the year ended December 31, 2009 in (a) under the heading “Forward-Looking Statements,” (b) ITEM 1A. Risk Factors, (c) ITEM 7. Management’s Discussion and Analysis of Financial Condition and Results of Operations, (d) ITEM 8. Financial statements and Supplementary Data: Note 15; (2) those discussed in our Quarterly Report on Form 10-Q filed October 28, 2010 in (a) ITEM 7. Management’s Discussion and Analysis of Financial Condition and Results of Operations, (b) in Part I, Financial Information, ITEM 1. Financial Statements: Notes 7 and 8; and (c) other factors discussed in the company’s filings with the Securities and Exchange Commission. Any forward-looking statement speaks only as of the date such statement was made, and we do not undertake any obligation to update any forward-looking statement to reflect events or circumstances after the date on which such statement was made.

Recent Events

- YTD results strong and well ahead of last year
 - Stronger retail sales
 - Weather
 - Improved industrial sector
- Updated 2010 earnings guidance to \$1.80 to \$1.95
- 2011 earnings drivers
- New transmission opportunities
- Renewables update

YTD September 2010 Results Well Ahead of '09

- EPS from continuing operations were \$1.77 vs. \$1.18 last year
 - Q3 results \$1.02 vs. \$0.73 last year
- 8% increase in retail MWh sales
 - Ahead of plan
 - Warmer than normal weather
 - Signs of economic recovery
 - Industrials up 6%
- All planned price adjustments now effective (annualized amts):
 - Abbreviated rate case - \$17 million
 - Transmission adjustments - \$16 million
 - Environmental adjustment - \$14 million
- No COLI proceeds to date

Updated 2010 EPS Guidance to \$1.80 - \$1.95

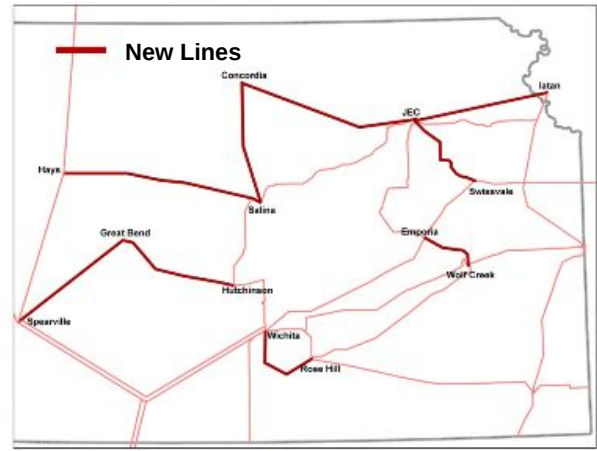
- Favorable weather through Q3
- Economic improvement reflected in industrial sales up 6%
- Still assumes \$11 million of COLI proceeds based on actuarial projections

2011 Earnings Drivers

- Plan to provide 2011 guidance with release of 2010 results in February
- Drivers and preliminary assumptions for 2011
 - No change in business strategy or direction
 - No change in regulatory principles or methods
 - Normal weather
 - Modest price adjustments via approved annual mechanisms
 - O&M/SG&A trend in line with historic labor increases and inflation rates
 - Wolf Creek O&M increase ≈\$10 million above trend
 - With current capital market conditions:
 - Enhance equity ratio consistent with growth opportunities
 - May consider issuing debt
 - No impact from base rate changes in calendar 2011

Significant New Transmission Opportunities

- Southwest Power Pool's long-term plan identifies many projects in our immediate region
 - Multiple 345 kV projects
 - In excess of 600 line miles



- Announced our commitment to construct these projects consistent with our strategy, proven capabilities and pursuant to SPP plans and tariffs

- Will work with SPP, neighboring transmission owners and policymakers to determine timing and sequence of development as projects unfold over the next decade or so

RFP for 200MW of Renewables

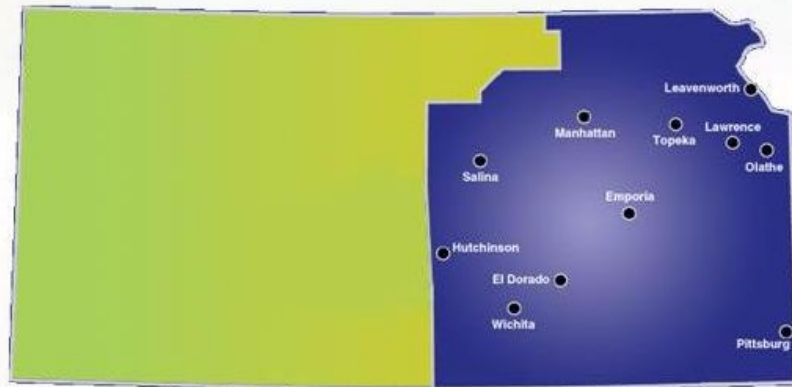
- 300MW of renewables today
 - Kansas in the top decile nationally on *per capita* basis
 - Westar holds largest commitment in Kansas
- Statute requires \approx 200 MW more
 - Have elected to pursue this increment through PPAs
 - Evaluating bids
 - Culling to short list from over 50 proposals
 - Expect to announce selection(s) Q4
 - Plan to be on line late '12
 - Expect to use RECs to meet requirements prior to '12
- Will seek pre-determination from KCC

Profile

Strategic Approach

- Embrace uncertainty and acknowledge inability to predict the future
- Place a high value on flexibility
 - Operational
 - Financial
 - Regulatory
- Leverage actions and strategies around intrinsic advantages
- Seek collaborative and constructive approaches to regulation
- Value proposition
 - ***Protect against downside while growing investor returns***

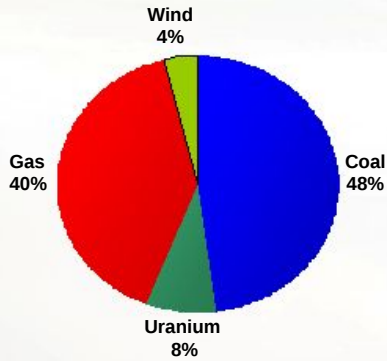
Kansas' Largest Electric Provider



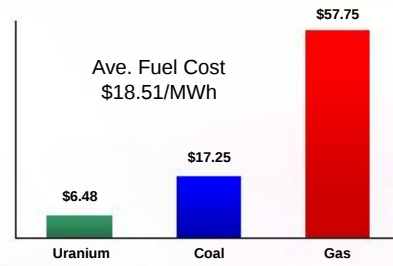
- Pure-play, vertically integrated, rate-regulated
 - \approx 7,100 MW of generation
 - 6,200 miles transmission
 - 686,000 customers

Favorable Supply Portfolio

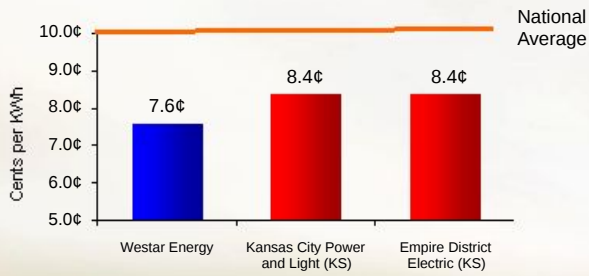
MW Capacity



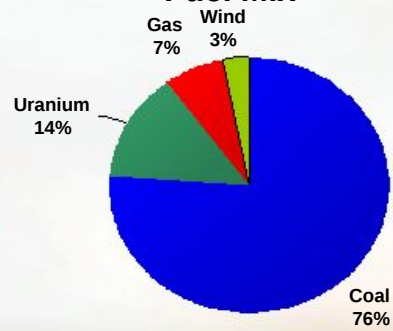
Cost of Fuel



Low Rates



Fuel Mix

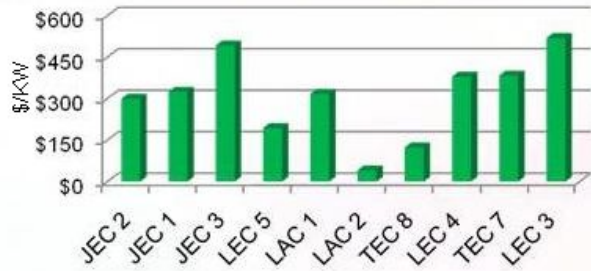


Source: Edison Electric Institute 07/01/2010

Low-Cost Coal Fleet

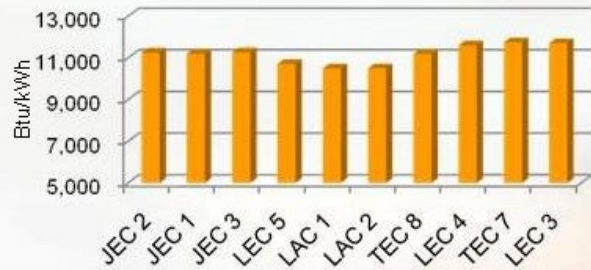
- Very low fuel cost
 - PRB coal
 - Excellent rail arrangements
 - Proximity to mines
- Low embedded capital cost
- No high-heat rate obsolete plants

Low Embedded Cost

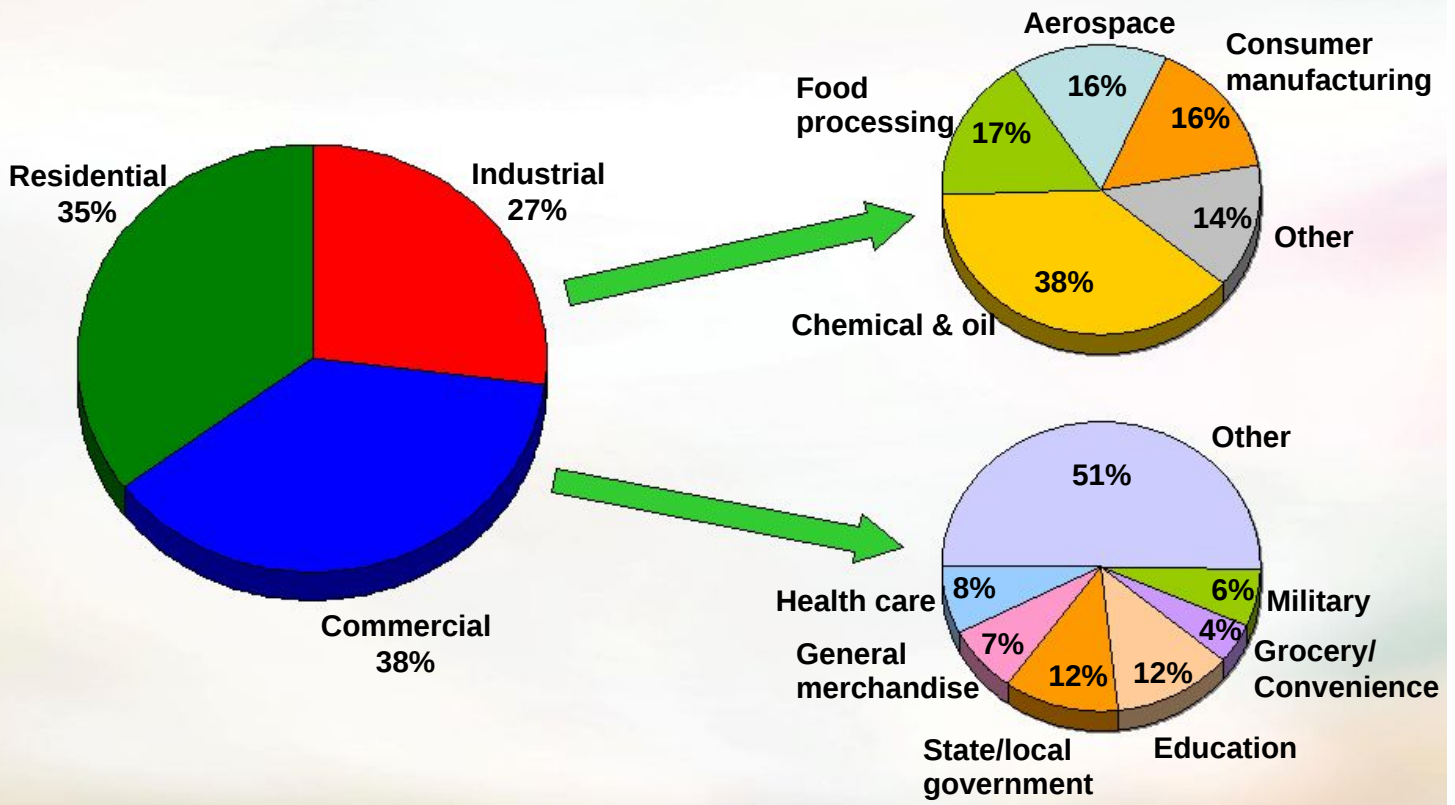


LAC 2 subject to lease agreement

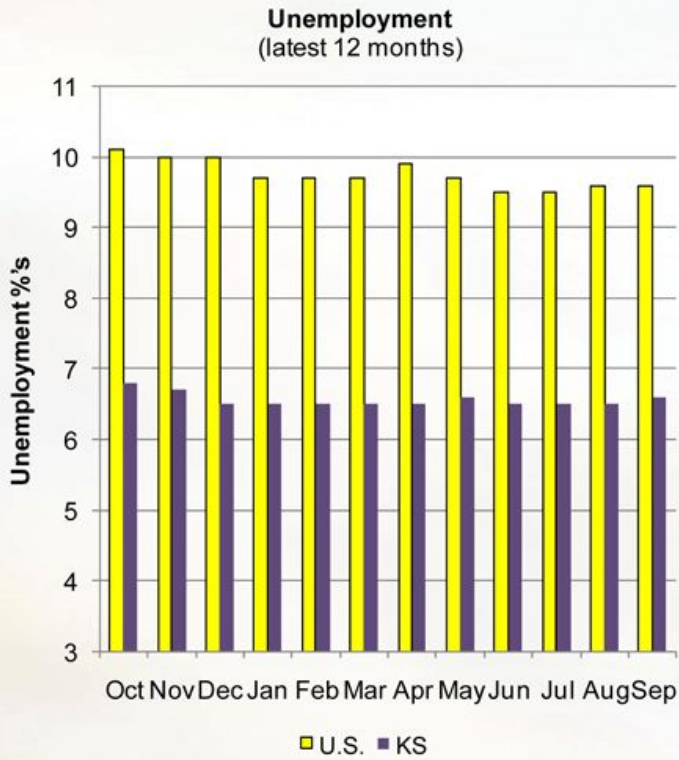
Heat Rate



Diverse Energy Sales (MWh)



Strong Service Territory



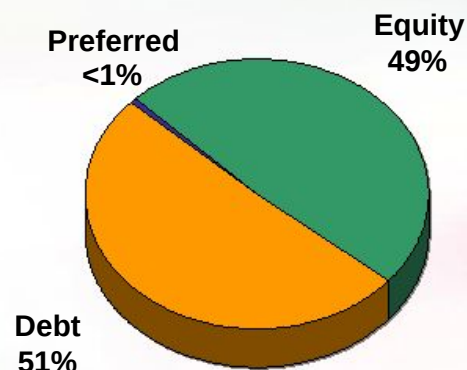
- Overall economic conditions significantly better than nation
 - No real estate crash
 - State unemployment remains 3 pts favorable to nation
- Industrial sales showing strong signs of recovery (up 6%)

Capitalization and Liquidity

- Target \approx 50/50 capital structure
- Solid investment grade credit
 - Recent upgrade and moves to positive outlook

	Secured	Unsecured	Outlook
Moody's	Baa1	Baa3	Positive
Fitch Ratings	BBB+	BBB	Positive
Standard & Poor's	BBB+	BBB	Stable

- No bonds mature before 2014



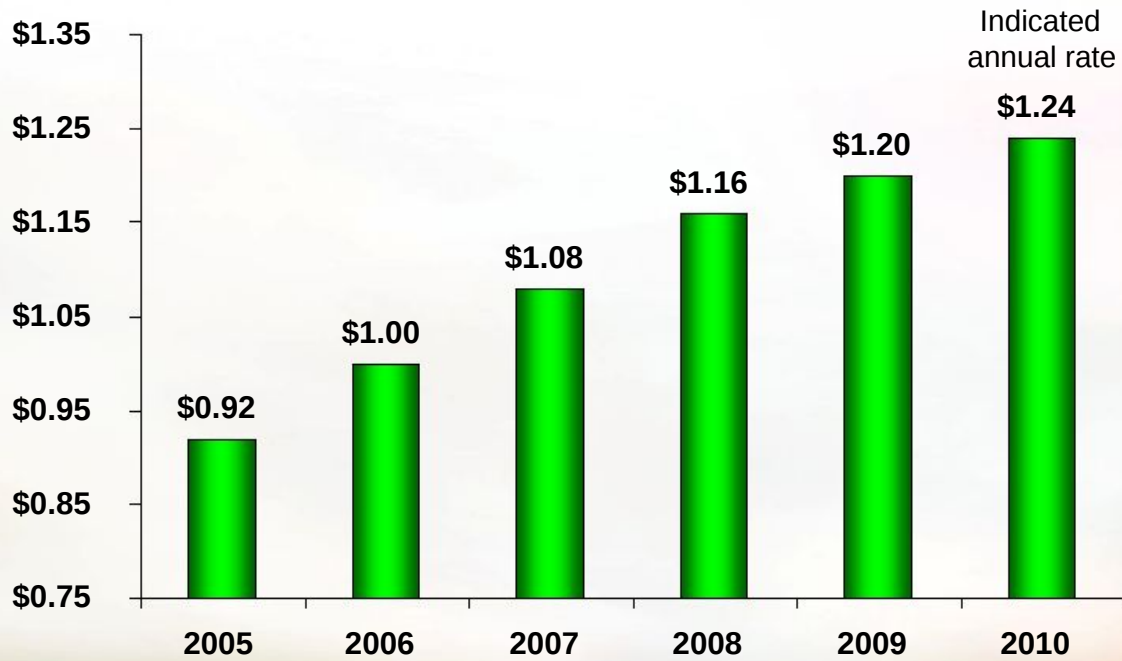
September 30, 2010 (a)
(millions)

Long-term, net	\$2,491
Preferred	21
Common	<u>2,381</u>
Total Capitalization	\$4,893

(a) Capitalization excludes adjustments for VIEs

Dividend

- Long-standing dividend payout target of 60%-75% of earnings
 - Updated 2010 guidance implies 64%-69% payout
 - Current yield \approx 5.0%



Westar's Value Proposition

- Solid, transparent business strategy
- Strong, experienced utility management team
- Thoughtful, disciplined approach to operations, capital planning and financing
- Constructive regulatory and policy environment
 - Results in lower prices for customers
 - Provides investors clarity
- Focus on containing risks and maintaining returns
- Diverse customer base and stable service territory

2011 Plans

Annualized Rate & Revenue Changes Actual and Estimated

	<u>2009</u>	<u>2010</u>	<u>2011</u> (Estimated)
Base rates	\$130 million Feb 3	\$ 17 million Feb ✓	
Transmission rates	\$ 36 million Jan 1	\$ 16 million Jan 1 ✓	\$ ≈18 million Jan 1
ECRR	\$ 32 million June 1	\$ 14 million June 1 ✓	\$ ≈9 million June 1
Energy Efficiency		\$6 million November ✓	TBD November

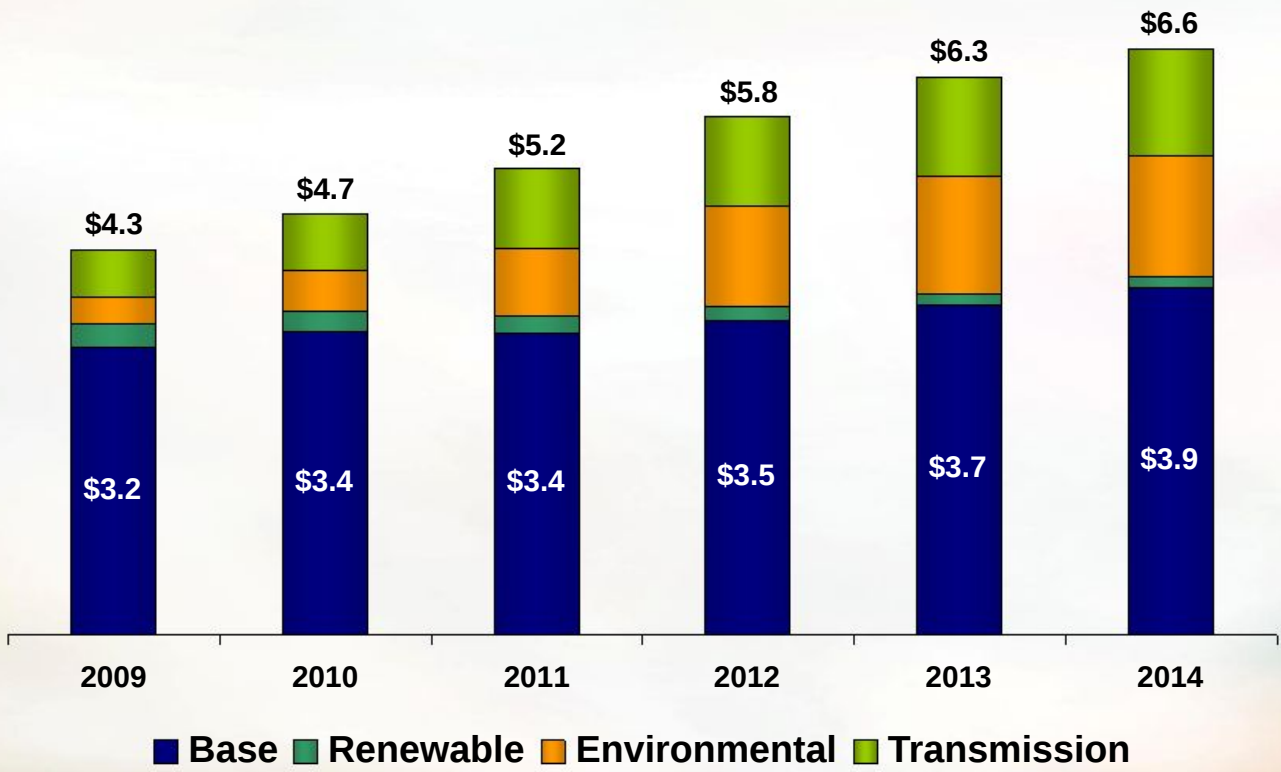
Major Construction Projects Underway

- Environmental
 - Lawrence Energy Center
 - Install fabric filters, rebuild scrubbers, precipitator, low NOx system
 - Jeffery Energy Center
 - Planning for SCR (part of settling New Source Review)
 - La Cygne Energy Center
- Transmission
 - Completed Hutchinson to Salina 345 kV
 - Clearing R.O.W. for Wichita to Oklahoma 345 kV
 - Planning and design for Prairie Wind
 - Identified numerous future SPP 345 kV projects
- SmartStar Lawrence
 - \$40 million project reduced by 50% DOE match
 - Advanced outage management
 - Automated metering infrastructure

Capital Forecast Outlook

- Original 2010-2012 CAPEX Forecast
 - 2010 \$665
 - 2011 \$801
 - 2012 \$899
- What's changed
 - Favorable project budgets & schedule refinement have reduced 2010 planned CAPEX to ≈\$600 million
- Will update 2011-2013 with release of 2010 results

Projected Rate Base 2009 – 2014 (in billions)



Westar Coal Fleet Emission Control Equipment

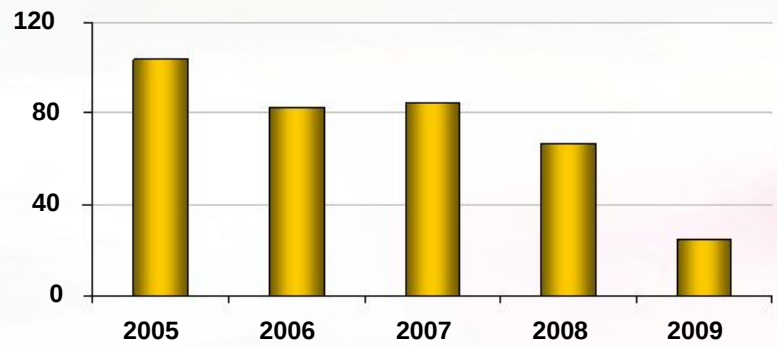
Unit	Scrubber	Precipitator	Fabric Filter	Low NOx	SCR
Jeffrey 1	Yes	Yes	No plans	Yes	Planned
Jeffrey 2	Yes	Yes	No plans	Planned	No plans
Jeffrey 3	Yes	Yes	No plans	Yes	No plans
La Cygne 1	Yes	NA	Planned	Yes	Yes
La Cygne 2	Planned	Yes	Planned	Planned	Planned
Lawrence 3	No plans	Yes	No plans	Planned	No plans
Lawrence 4	Yes	NA	Planned	Planned	No plans
Lawrence 5	Yes	NA	Planned	Planned	No plans
Tecumseh 7	No plans	Yes	No plans	Yes	No plans
Tecumseh 8	No plans	Yes	No plans	Planned	No plans

NA - Not Applicable

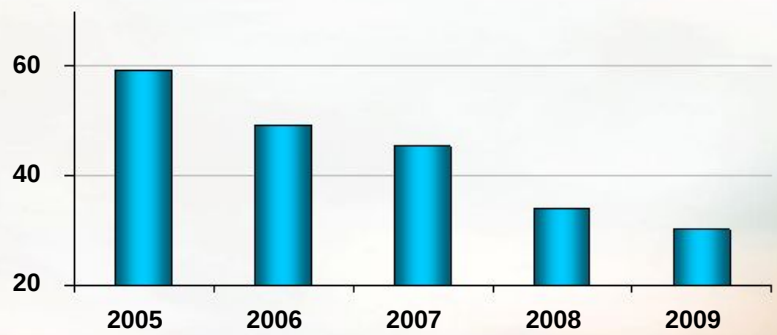
No present projects underway for CO2

Dramatic Improvement in Air Quality

Sulfur Dioxide ↓ 76%
(000 tons)



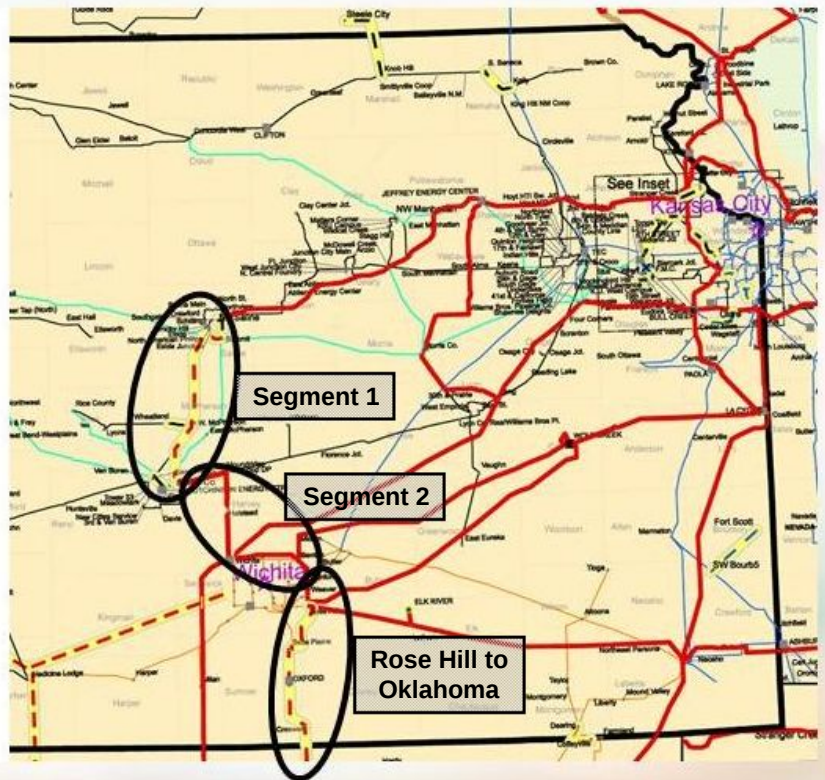
Nitrogen Oxide ↓ 49%
(000 tons)



Transmission

Major Transmission Projects

- **Wichita – Salina**
 - ✓ **Segment 1 Wichita-Hutchinson**
 - Completed December 2008
 - Investment \approx \$100 million
 - ✓ **Segment 2 Hutchinson-Salina**
 - Completed August 2010
 - Investment \approx \$100 million
- **Rose Hill – Oklahoma**
 - ✓ Construction to follow the Hutchinson-Salina line
 - Target completion mid 2012
 - Investment \approx \$100 million



Prairie Wind Transmission, LLC

- Joint venture formed between Westar Energy and Electric Transmission America
 - Venture to develop high voltage transmission in Kansas
 - 50% Westar / 50% ETA
 - ETA is joint venture between AEP Transmission Holding Company and MEHC America Transco, LLC (wholly-owned subsidiary of MidAmerican Energy Holdings Company)



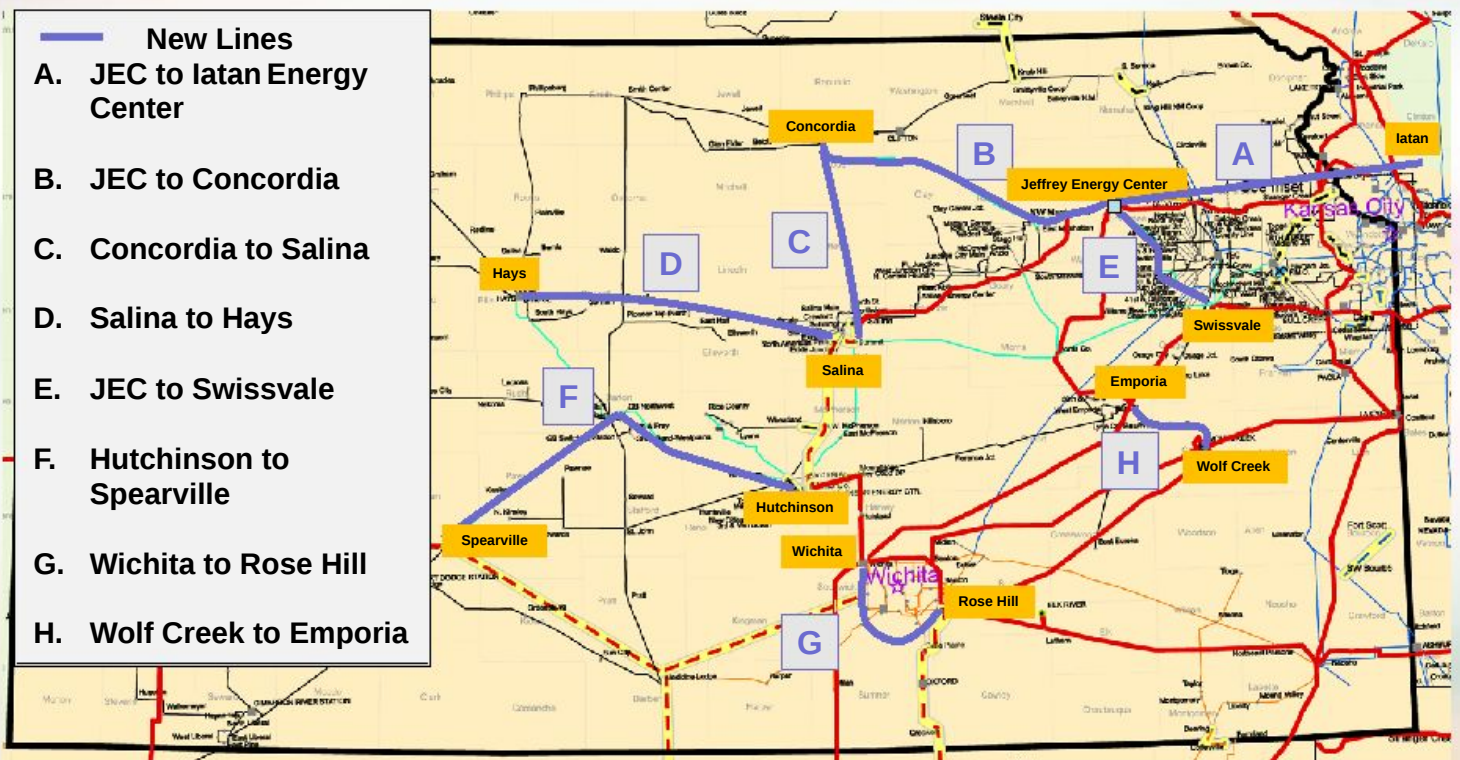
Prairie Wind Transmission, LLC

- Received FERC incentives
 - Abandonment costs
 - Recovery of pre-commercial development costs
 - CWIP recovery in rate base
 - 50/50 capital structure
 - Allowed ROE of 12.8%
- KCC
 - Stipulation plans for double circuit 345 kV construction
 - Routing and siting to follow SPP plans
- Southwest Power Pool
 - Regional cost allocation approved by FERC
 - “Notice to Construct” accepted
 - JV became a member of the SPP
 - Awaiting SPP adoption of formula rate

Next Steps and Tentative Schedule

- Complete assignments by Westar and Co-op to Prairie Wind
- Monitor Integrated Transmission Plan to determine voltage
- Obtain siting authority from KCC
- Engineer and design
- Acquire rights-of-way
- Construct
 - Anticipated completion in 2014

Potential for High Voltage Transmission Growth

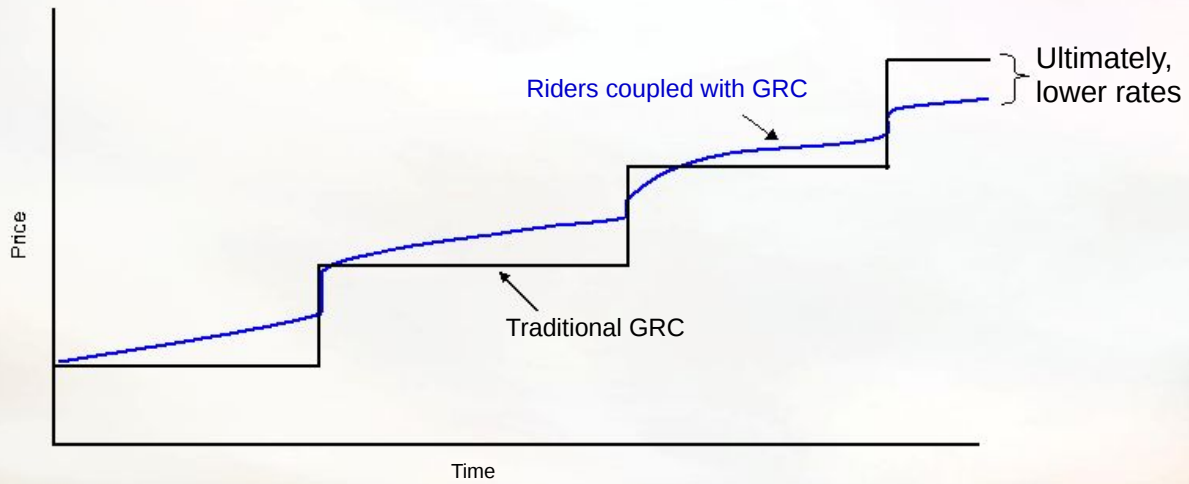


The SPP has studied multiple projects to be developed over the next decade to ensure transmission system reliability, growth of renewable energy and cost efficient production and transmission of electricity.

Rates and Regulation

Regulatory Approach

- A sound regulatory and energy policy platform
 - KCC and FERC
- Ultimately results in lower rates for customers



Methods of Cost Recovery

	Revenue Requirement	Method of Recovery	Comment
1.	Fuel, purchased power and environmental consumables	Quarterly adjustment based on forecasted cost, with annual true-up	Adjusts prices for actual costs, protecting both customers and investors from mispricing
2.	Environmental capital	Environmental Cost Recovery Rider adjusts annually	Allows annual price adjustment to reflect capital costs for investments in emission controls
3.	Transmission rate recovery	FERC formula rate adjusts annually; companion retail tariff to reflect current revenue requirement	Timely recovery of transmission system operating and capital costs
4.	General capital investments	Traditional rate case, but with predetermination and CWIP	Typical rate case reflects current level of operating expenses and most recent plant investment
5.	Property taxes	Annual adjustment to reflect current property taxes	Allows timely recovery of actual property tax costs in current rates
6.	Extraordinary storm damages	Traditionally deferred accounting treatment as rate base	Smooths period expenses for extraordinary storm restoration costs
7.	Pension expenses	Deferred as a regulatory asset for subsequent recovery	Smooths period expenses in excess of amount in base rates
8.	Energy efficiency programs	Deferred as a regulatory asset for subsequent recovery	Smooths period expenses for energy efficiency programs

Retail Energy Cost Adjustment (RECA)

- Provides timely price adjustments for fuel and purchased power costs
- Retail rates based on forecast of fuel and purchased power costs and retail sales
 - Set quarterly
 - Difference between forecast and actual is deferred
 - Quarterly approach produces more stable prices
 - Annual settlement of deferred balance
- RECA also used to rebate wholesale margins as a credit to retail cost of service
 - Energy Marketing (i.e., non-asset) margins continue to be excluded from rate setting

Environmental Cost Recovery Rider Mechanics

- ECRR adjusts retail rates annually to reflect capital investments in emission controls
 - Investments as of December 31 recovered in rates subsequent June
 - Eliminates need to file a rate case to capture rate base additions
 - Return *of* and *on* capital that is in service December 31
 - Return *on* capital not yet placed in service December 31 (i.e., CWIP)
- ECRR reduces regulatory lag
 - Regulatory lag limited to months, rather than longer lag typically associated with traditional rate case filings

Illustrative ECRR Mechanics

	2008	2009	2010	2011	2012
Clean Air Investment (1)					
Year 1 Investment	\$ 238.4				
Year 2 Investment		\$ 85.2			
Year 3 Investment			\$ 181.2		
Year 4 Investment				\$ 350.1	
Year 5 Investment					\$ 414.7
Environmental Investment	\$ 238.4	\$ 323.6	\$ 504.8	\$ 854.9	\$ 1,269.6
Accumulated Depreciation Clean Air Investment					
Depreciation on Year 1 Investment	\$ 4.8	\$ 9.5	\$ 9.5	\$ 9.5	\$ 9.5
Depreciation on Year 2 Investment		1.7	3.4	3.4	3.4
Depreciation on Year 3 Investment			3.6	7.2	7.2
Depreciation on Year 4 Investment				7.0	14.0
Depreciation on Year 5 Investment					8.3
Annual Depreciation	\$ 4.8	\$ 11.2	\$ 16.6	\$ 27.2	\$ 42.5
Total Accum Depreciation for Environmental Investment	\$ 4.8	\$ 16.0	\$ 32.6	\$ 59.8	\$ 102.3
Environmental Investment, net of Accum. Depreciation	\$ 233.6	\$ 307.6	\$ 472.2	\$ 795.1	\$ 1,167.3
Return on prior YE investment balance (2)		\$ 28.0	\$ 36.9	\$ 56.7	\$ 95.4
Return of prior YE investments completed		4.8	11.2	16.6	27.2
Annual ECRR Revenue Requirement		\$ 32.8	\$ 48.2	\$ 73.2	\$ 122.6
Estimated calendar year revenue recognition (3)		\$ 19.1	\$ 41.8	\$ 62.8	\$ 102.0
Cumulative ECRR revenue recognition		\$ 19.1	\$ 60.9	\$ 123.7	\$ 225.7

(1) Illustration reflects only the projects publicly announced and assumes one-half of annual investment in service at year end

(2) Illustration uses ≈12% pretax return and 4% depreciation recovery

(3) Annual ECRR Tariff is effective June 1; assume Jan-May at prior year revenue requirement and Jun-Dec at new revenue requirement

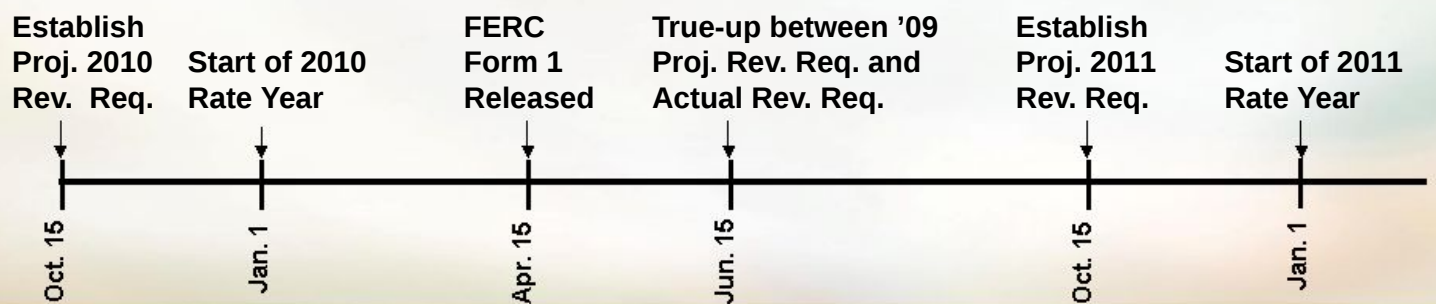
Transmission Cost Recovery

- FERC formula transmission rate
 - Changes in cost of service reflected in annual update of FERC tariff
 - Update posted each October using projected test year
 - Capital expenditures
 - O&M
 - Tariff based on year-end consolidated capital structure
 - FERC transmission changes effective January 1
 - Allowed ROE 11.3%
 - Annual true-up compares projected revenue requirement to actual, with difference incorporated into next update
 - Incentives on recently completed central Kansas line
 - 12.3% ROE
 - Accelerated book depreciation of 15 vs. 45 years
- Transmission Delivery Charge (TDC)
 - Retail rates adjusted to match changes to FERC tariff

Transmission Formula Rate Mechanics

- Fixed formula with changing inputs
 - Updated annually using Form 1 data
 - Established protocols for updates
- Uses projected test year
 - Rate base (based on 13 month average)
 - O&M, depreciation and taxes
 - Cost of debt
- Annual true-up incorporated in subsequent year's formula inputs

Transmission Formula Rate Time Line



Statutes for Predetermination and CWIP

- Predetermination
 - Utilities can obtain order establishing ratemaking principles that will apply over the life of the asset
- Construction Work in Progress (CWIP)
 - Utilities can include CWIP in rate cases

Pension Tracker

- Defer as regulatory asset shortfall between funding of GAAP pension/OPEB expense and pension/OPEB currently authorized in rates
- Maintain minimum funding level equal to GAAP pension/OPEB expense
- Recover deferred expenses through multi-year amortization as part of next rate case

Energy Efficiency Initiatives

- SmartStar Lawrence smart grid project
 - Installing ≈48,000 “smart” meters
 - Advanced outage management system
 - Total project cost of ≈\$40 million
 - Reduced by 50% DOE match
 - Expect to implement over 2 - 3 years
- Deferred accounting for the cost of energy efficiency initiatives, such as
 - Smart thermostats
 - Customer educational programs
 - Demand response programs

Kansas' Renewable Requirements

- Renewable Portfolio Standard established
 - Installed capability standard in lieu of energy standard
 - 10% of **peak load** by 2011, 15% by 2016 and 20% after 2020
 - Implies additional 150 to 200 MW for Westar
 - If generated in Kansas, treated at 110% of requirement
 - Relief from standard possible if costs would increase prices >1%
 - Potential to offset with RECs for initial period
- Limited net metering
 - Limited to 1% of peak demand
 - Customer's net metered sales can't produce net negative sales
- Environmental predictability
 - Legislation precludes state air emission levels from being more stringent than federal standards

Capital Structure for Ratemaking (Per Recent Orders)

KCC

	<u>Capitalization Ratio</u>	<u>Cost of Capital</u>	<u>Weighted Cost of Capital</u>	<u>Pre-tax Weighted Cost of Capital</u>
Long-term debt	48.66%	6.55%	3.19%	3.19%
Preferred	0.51	4.55	.02	.04
Common	<u>50.83</u>	10.40	<u>5.29</u>	<u>8.77</u>
	100.00%		8.50%	12.00%

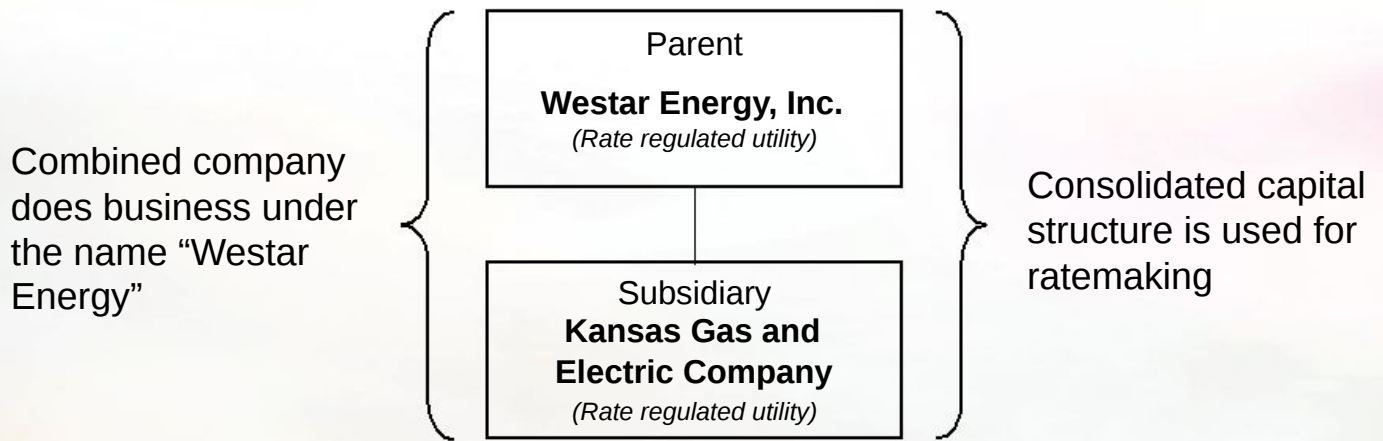
FERC Transmission

	<u>Capitalization Ratio</u>	<u>Cost of Capital</u>	<u>Weighted Cost of Capital</u>	<u>Pre-tax Weighted Cost of Capital</u>
Long-term debt	51.46%	5.30%	2.73%	2.73%
Preferred	0.47	4.52	.02	.04
Common	<u>48.07</u>	11.30 ⁽¹⁾	<u>5.43</u>	<u>8.99</u>
	100.00%		8.18%	11.76%

(1) Incentive ROE of 12.3% for applicable rate base

Background

Westar Energy Legal Structure



Original Capital Expenditure Forecast 2010 - 2012

	<u>Actual 2009</u>	<u>Forecast 2010</u>	<u>Forecast 2011</u>	<u>Forecast 2012</u>	<u>Forecast 2010-2012</u>	<u>Method of Cost Recovery</u>
Generation						
Replacements and other	\$ 103.9	\$ 99.9	\$ 106.2	\$ 126.6	\$ 332.7	General Rate Case (GRC)
Additional Generation						
Emporia Energy Center	4.4	-	-	-	-	Predetermination/CWIP/ARC*
Wind Energy	69.5	-	-	-	-	Predetermination/CWIP/ARC*
Turbine upgrade - Wolf Creek	12.2	12.3	10.1	-	22.4	GRC
Environmental	85.2	181.2	350.1	414.7	946.0	ECRR
Nuclear Fuel	19.8	36.1	26.7	26.1	88.9	Fuel adjustment clause
Transmission	156.6	203.6	167.8	175.1	546.5	FERC formula rate/TDC
Distribution						
New customers, replacements & other	92.7	102.3	114.6	118.6	335.5	GRC
AMI / Smart grid	-	8.9	9.2	12.3	30.4	GRC
Other	11.5	20.3	16.0	25.3	61.6	GRC
Total	<u>\$ 555.6</u>	<u>\$ 664.6</u>	<u>\$ 800.7</u>	<u>\$ 898.7</u>	<u>\$2,364.0</u>	

*Abbreviated rate case

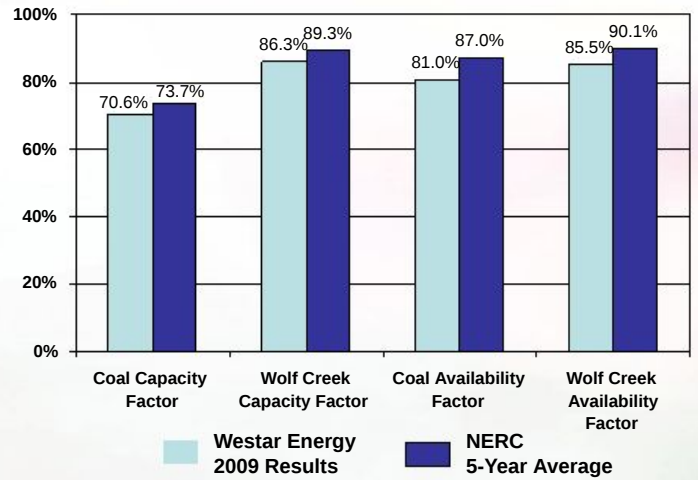
Westar's Plants

	Westar's MW	Operator	Years Installed
Pulverized coal			
Jeffrey Energy Center	1,991	Westar	1978, 1980, 1983
Lawrence Energy Center	529	Westar	1954, 1960, 1971
Tecumseh Energy Center	202	Westar	1957, 1962
LaCygne Station	709	KCPL	1973, 1977
Nuclear			
Wolf Creek	545	WCNOC (1)	1985
Gas steam turbine			
Gordon Evans Energy Center	537	Westar	1961, 1967
Hutchinson Energy Center	162	Westar	1965
Murray Gill Energy Center	293	Westar	1952, 1954, 1956, 1959
Neosho Energy Center	67	Westar	1954
Gas combustion turbine			
Abilene Energy Center	64	Westar	1973
Gordon Evans Energy Center	295	Westar	2000, 2001
Hutchinson Energy Center	230	Westar	1974, 1975
Spring Creek Energy Center	278	Westar	2001
Tecumseh Energy Center	37	Westar	1972
Emporia Energy Center	663	Westar	2008, 2009
Gas combined cycle			
State Line	199	EDE Co.	2001
Diesel			
Gordon Evans Energy Center	3	Westar	1969
Hutchinson Energy Center	3	Westar	1983
Wind			
Meridian Way	96	Horizon (2)	2008
Central Plains	99	Westar	2009
Flat Ridge	100	Westar (3)	2009

Available generation	
At Dec. 31, 2009	7,102

- (1) Wolf Creek Nuclear Operating Company is a company formed specifically to operate Wolf Creek for its owners. WCNOC is governed by a board of directors consisting of the CEO of WCNOC and senior executives of the plant owners.
- (2) 100% of generation purchased under Power Purchase Agreement (PPA)
- (3) 50% owned and 50% of generation purchased under PPA from BP Alternative Energy

Plant Performance



Westar Energy Coal Fleet

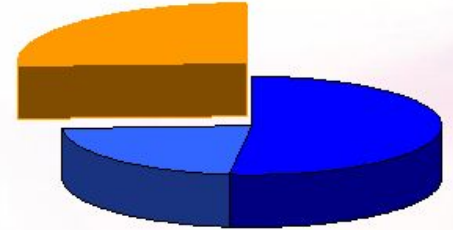
Unit	Capacity (MW)	WR Share (MW)	Age	Heat Rate (Btu/kWh)	Net Book Value (Millions)	\$/KW
Jeffrey 2	725	667	30	11,256	\$ 200	\$ 300
Jeffrey 1	722	665	32	11,204	\$ 216	\$ 325
Jeffrey 3	716	659	27	11,265	\$ 325	\$ 493
Lawrence 5	371	371	39	10,713	\$ 72	\$ 194
La Cygne 1	736	368	37	10,497	\$ 117	\$ 318
La Cygne 2 ^(a)	682	341	33	10,500	\$ 14	\$ 41
Tecumseh 8	129	129	48	11,189	\$ 16	\$ 124
Lawrence 4	108	108	50	11,605	\$ 41	\$ 380
Tecumseh 7	73	73	53	11,749	\$ 28	\$ 384
Lawrence 3	50	50	56	11,707	\$ 26	\$ 520
		3,431				

(a) Subject to lease agreement

Coal Supply

Westar-operated plant supply (80%)

- JEC supply under contract through 2020 (10+ million tons/year)
 - 70% has no market openers
 - 30% reopened on price every 5 years
 - Next re-pricing will occur in 2013
 - All volumes have cost escalators
 - Rail contract through 2013
- LEC/TEC supply under contract until 2012 (3.5 million tons/year)
 - 100% at fixed price or capped through 2012
 - Rail contract through 2013



Co-owned plant supply managed by GXP (20%)

- LAC supply (3 million tons/year)