THIS FILING IS		
Item 1: ☒ An Initial (Original) Submission	OR ☐	Resubmission No. ____

Form 1 Approved
OMB No. 1902-0021
(Expires 12/31/2011)
Form 1-F Approved
OMB No. 1902-0029
(Expires 12/31/2011)
Form 3-Q Approved
OMB No. 1902-0205
(Expires 1/31/2012)

FERC FINANCIAL REPORT
FERC FORM No. 1: Annual Report of Major Electric Utilities, Licensees and Others and Supplemental Form 3-Q: Quarterly Financial Report

These reports are mandatory under the Federal Power Act, Sections 3, 4(a), 304 and 309, and 18 CFR 141.1 and 141.400. Failure to report may result in criminal fines, civil penalties and other sanctions as provided by law. The Federal Energy Regulatory Commission does not consider these reports to be of confidential nature

Exact Legal Name of Respondent (Company)	**Year/Period of Report**
KCP&L Greater Missouri Operations Company	**End of** 2010/Q2

INSTRUCTIONS FOR FILING FERC FORM NOS. 1 and 3-Q

GENERAL INFORMATION

I. Purpose

FERC Form No. 1 (FERC Form 1) is an annual regulatory requirement for Major electric utilities, licensees and others (18 C.F.R. § 141.1). FERC Form No. 3-Q (FERC Form 3-Q)is a quarterly regulatory requirement which supplements the annual financial reporting requirement (18 C.F.R. § 141.400). These reports are designed to collect financial and operational information from electric utilities, licensees and others subject to the jurisdiction of the Federal Energy Regulatory Commission. These reports are also considered to be non-confidential public use forms.

II. Who Must Submit

Each Major electric utility, licensee, or other, as classified in the Commission's Uniform System of Accounts Prescribed for Public Utilities and Licensees Subject To the Provisions of The Federal Power Act (18 C.F.R. Part 101), must submit FERC Form 1 (18 C.F.R. § 141.1), and FERC Form 3-Q (18 C.F.R. § 141.400).

Note: Major means having, in each of the three previous calendar years, sales or transmission service that exceeds one of the following:

(1) one million megawatt hours of total annual sales,
(2) 100 megawatt hours of annual sales for resale,
(3) 500 megawatt hours of annual power exchanges delivered, or
(4) 500 megawatt hours of annual wheeling for others (deliveries plus losses).

III. What and Where to Submit

(a) Submit FERC Forms 1 and 3-Q electronically through the forms submission software. Retain one copy of each report for your files. Any electronic submission must be created by using the forms submission software provided free by the Commission at its web site: http://www.ferc.gov/docs-filing/eforms/form-1/elec-subm-soft.asp. The software is used to submit the electronic filing to the Commission via the Internet.

(b) The Corporate Officer Certification must be submitted electronically as part of the FERC Forms 1 and 3-Q filings.

(c) Submit immediately upon publication, by either eFiling or mail, two (2) copies to the Secretary of the Commission, the latest Annual Report to Stockholders. Unless eFiling the Annual Report to Stockholders, mail the stockholders report to the Secretary of the Commission at:

Secretary
Federal Energy Regulatory Commission
888 First Street, NE
Washington, DC 20426

(d) For the CPA Certification Statement, submit within 30 days after filing the FERC Form 1, a letter or report (not applicable to filers classified as Class C or Class D prior to January 1, 1984). The CPA Certification Statement can be either eFiled or mailed to the Secretary of the Commission at the address above.

The CPA Certification Statement should:

a) Attest to the conformity, in all material aspects, of the below listed (schedules and pages) with the Commission's applicable Uniform System of Accounts (including applicable notes relating thereto and the Chief Accountant's published accounting releases), and

b) Be signed by independent certified public accountants or an independent licensed public accountant certified or licensed by a regulatory authority of a State or other political subdivision of the U. S. (See 18 C.F.R. §§ 41.10-41.12 for specific qualifications.)

Reference Schedules	Pages
Comparative Balance Sheet	110-113
Statement of Income	114-117
Statement of Retained Earnings	118-119
Statement of Cash Flows	120-121
Notes to Financial Statements	122-123

e) The following format must be used for the CPA Certification Statement unless unusual circumstances or conditions, explained in the letter or report, demand that it be varied. Insert parenthetical phrases only when exceptions are reported.

"In connection with our regular examination of the financial statements of _____ for the year ended on which we have reported separately under date of ___________ , we have also reviewed schedules ___________________of FERC Form No. 1 for the year filed with the Federal Energy Regulatory Commission, for conformity in all material respects with the requirements of the Federal Energy Regulatory Commission as set forth in its applicable Uniform System of Accounts and published accounting releases. Our review for this purpose included such tests of the accounting records and such other auditing procedures as we considered necessary in the circumstances.

Based on our review, in our opinion the accompanying schedules identified in the preceding paragraph (except as noted below) conform in all material respects with the accounting requirements of the Federal Energy Regulatory Commission as set forth in its applicable Uniform System of Accounts and published accounting releases."

The letter or report must state which, if any, of the pages above do not conform to the Commission's requirements. Describe the discrepancies that exist.

(f) Filers are encouraged to file their Annual Report to Stockholders, and the CPA Certification Statement using eFiling. To further that effort, new selections, "Annual Report to Stockholders," and "CPA Certification Statement" have been added to the dropdown "pick list" from which companies must choose when eFiling. Further instructions are found on the Commission's website at http://www.ferc.gov/help/how-to.asp.

(g) Federal, State and Local Governments and other authorized users may obtain additional blank copies of FERC Form 1 and 3-Q free of charge from http://www.ferc.gov/docs-filing/eforms/form-1/form-1.pdf and http://www.ferc.gov/docs-filing/eforms.asp#3Q-gas .

IV. When to Submit:

FERC Forms 1 and 3-Q must be filed by the following schedule:

a) FERC Form 1 for each year ending December 31 must be filed by April 18th of the following year (18 CFR § 141.1), and

b) FERC Form 3-Q for each calendar quarter must be filed within 60 days after the reporting quarter (18 C.F.R. § 141.400).

V. Where to Send Comments on Public Reporting Burden.

The public reporting burden for the FERC Form 1 collection of information is estimated to average 1,144 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data-needed, and completing and reviewing the collection of information. The public reporting burden for the FERC Form 3-Q collection of information is estimated to average 150 hours per response.

Send comments regarding these burden estimates or any aspect of these collections of information, including suggestions for reducing burden, to the Federal Energy Regulatory Commission, 888 First Street NE, Washington, DC 20426 (Attention: Information Clearance Officer); and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503 (Attention: Desk Officer for the Federal Energy Regulatory Commission). No person shall be subject to any penalty if any collection of information does not display a valid control number (44 U.S.C. § 3512 (a)).

GENERAL INSTRUCTIONS

I. Prepare this report in conformity with the Uniform System of Accounts (18 CFR Part 101) (USofA). Interpret all accounting words and phrases in accordance with the USofA.

II. Enter in whole numbers (dollars or MWH) only, except where otherwise noted. (Enter cents for averages and figures per unit where cents are important. The truncating of cents is allowed except on the four basic financial statements where rounding is required.) The amounts shown on all supporting pages must agree with the amounts entered on the statements that they support. When applying thresholds to determine significance for reporting purposes, use for balance sheet accounts the balances at the end of the current reporting period, and use for statement of income accounts the current year's year to date amounts.

III Complete each question fully and accurately, even if it has been answered in a previous report. Enter the word "None" where it truly and completely states the fact.

IV. For any page(s) that is not applicable to the respondent, omit the page(s) and enter "NA," "NONE," or "Not Applicable" in column (d) on the List of Schedules, pages 2 and 3.

V. Enter the month, day, and year for all dates. Use customary abbreviations. **The "Date of Report" included in the header of each page is to be completed only for resubmissions** (see VII. below).

VI. Generally, except for certain schedules, all numbers, whether they are expected to be debits or credits, must be reported as positive. Numbers having a sign that is different from the expected sign must be reported by enclosing the numbers in parentheses.

VII For any resubmissions, submit the electronic filing using the form submission software only. Please explain the reason for the resubmission in a footnote to the data field.

VIII. Do not make references to reports of previous periods/years or to other reports in lieu of required entries, except as specifically authorized.

IX. Wherever (schedule) pages refer to figures from a previous period/year, the figures reported must be based upon those shown by the report of the previous period/year, or an appropriate explanation given as to why the different figures were used.

Definitions for statistical classifications used for completing schedules for transmission system reporting are as follows:

FNS - Firm Network Transmission Service for Self. "Firm" means service that can not be interrupted for economic reasons and is intended to remain reliable even under adverse conditions. "Network Service" is Network Transmission Service as described in Order No. 888 and the Open Access Transmission Tariff. "Self" means the respondent.

FNO - Firm Network Service for Others. "Firm" means that service cannot be interrupted for economic reasons and is intended to remain reliable even under adverse conditions. "Network Service" is Network Transmission Service as described in Order No. 888 and the Open Access Transmission Tariff.

LFP - for Long-Term Firm Point-to-Point Transmission Reservations. "Long-Term" means one year or longer and" firm" means that service cannot be interrupted for economic reasons and is intended to remain reliable even under adverse conditions. "Point-to-Point Transmission Reservations" are described in Order No. 888 and the Open Access Transmission Tariff. For all transactions identified as LFP, provide in a footnote the termination date of the contract defined as the earliest date either buyer or seller can unilaterally cancel the contract.

OLF - Other Long-Term Firm Transmission Service. Report service provided under contracts which do not conform to the terms of the Open Access Transmission Tariff. "Long-Term" means one year or longer and “firm” means that service cannot be interrupted for economic reasons and is intended to remain reliable even under adverse conditions. For all transactions identified as OLF, provide in a footnote the termination date of the contract defined as the earliest date either buyer or seller can unilaterally get out of the contract.

SFP - Short-Term Firm Point-to-Point Transmission Reservations. Use this classification for all firm point-to-point transmission reservations, where the duration of each period of reservation is less than one-year.

NF - Non-Firm Transmission Service, where firm means that service cannot be interrupted for economic reasons and is intended to remain reliable even under adverse conditions.

OS - Other Transmission Service. Use this classification only for those services which can not be placed in the above-mentioned classifications, such as all other service regardless of the length of the contract and service FERC Form. Describe the type of service in a footnote for each entry.

AD - Out-of-Period Adjustments. Use this code for any accounting adjustments or "true-ups" for service provided in prior reporting periods. Provide an explanation in a footnote for each adjustment.

DEFINITIONS

I. Commission Authorization (Comm. Auth.) -- The authorization of the Federal Energy Regulatory Commission, or any other Commission. Name the commission whose authorization was obtained and give date of the authorization.

II. Respondent -- The person, corporation, licensee, agency, authority, or other Legal entity or instrumentality in whose behalf the report is made.

EXCERPTS FROM THE LAW

Federal Power Act, 16 U.S.C. § 791a-825r

Sec. 3. The words defined in this section shall have the following meanings for purposes of this Act, to with:

(3) 'Corporation' means any corporation, joint-stock company, partnership, association, business trust, organized group of persons, whether incorporated or not, or a receiver or receivers, trustee or trustees of any of the foregoing. It shall not include 'municipalities, as hereinafter defined;

(4) 'Person' means an individual or a corporation;

(5) 'Licensee, means any person, State, or municipality Licensed under the provisions of section 4 of this Act, and any assignee or successor in interest thereof;

(7) 'municipality means a city, county, irrigation district, drainage district, or other political subdivision or agency of a State competent under the Laws thereof to carry and the business of developing, transmitting, unitizing, or distributing power; ......

(11) "project' means. a complete unit of improvement or development, consisting of a power house, all water conduits, all dams and appurtenant works and structures (including navigation structures) which are a part of said unit, and all storage, diverting, or fore bay reservoirs directly connected therewith, the primary line or lines transmitting power there from to the point of junction with the distribution system or with the interconnected primary transmission system, all miscellaneous structures used and useful in connection with said unit or any part thereof, and all water rights, rights-of-way, ditches, dams, reservoirs, Lands, or interest in Lands the use and occupancy of which are necessary or appropriate in the maintenance and operation of such unit;

"Sec. 4. The Commission is hereby authorized and empowered

(a) To make investigations and to collect and record data concerning the utilization of the water 'resources of any region to be developed, the water-power industry and its relation to other industries and to interstate or foreign commerce, and concerning the location, capacity, development -costs, and relation to markets of power sites; ... to the extent the Commission may deem necessary or useful for the purposes of this Act."

"Sec. 304. (a) Every Licensee and every public utility shall file with the Commission such annual and other periodic or special* reports as the Commission may be rules and regulations or other prescribe as necessary or appropriate to assist the Commission in the -proper administration of this Act. The Commission may prescribe the manner and FERC Form in which such reports salt be made, and require from such persons specific answers to all questions upon which the Commission may need information. The Commission may require that such reports shall include, among other things, full information as to assets and Liabilities, capitalization, net investment, and reduction thereof, gross receipts, interest due and paid, depreciation, and other reserves, cost of project and other facilities, cost of maintenance and operation of the project and other facilities, cost of renewals and replacement of the project works and other facilities, depreciation, generation, transmission, distribution, delivery, use, and sale of electric energy. The Commission may require any such person to make adequate provision for currently determining such costs and other facts. Such reports shall be made under oath unless the Commission otherwise specifies*.10

"Sec. 309. The Commission shall have power to perform any and all acts, and to prescribe, issue, make, and rescind such orders, rules and regulations as it may find necessary or appropriate to carry out the provisions of this Act. Among other things, such rules and regulations may define accounting, technical, and trade terms used in this Act; and may prescribe the FERC Form or FERC Forms of all statements, declarations, applications, and reports to be filed with the Commission, the information which they shall contain, and the time within which they shall be field..."

General Penalties

The Commission may assess up to $1 million per day per violation of its rules and regulations. *See* FPA § 316(a) (2005), 16 U.S.C. § 825o(a).

FERC FORM NO. 1/3-Q:
REPORT OF MAJOR ELECTRIC UTILITIES, LICENSEES AND OTHER

IDENTIFICATION

01 Exact Legal Name of Respondent KCP&L Greater Missouri Operations Company	02 Year/Period of Report End of 2010/Q2
03 Previous Name and Date of Change *(if name changed during year)* / /	
04 Address of Principal Office at End of Period *(Street, City, State, Zip Code)* 1200 Main, Kansas City, Missouri 64105	
05 Name of Contact Person Lori A. Wright	06 Title of Contact Person Vice President & Controller
07 Address of Contact Person *(Street, City, State, Zip Code)* 1200 Main, Kansas City, Missouri 64105	

08 Telephone of Contact Person, *Including Area Code*	09 This Report Is	10 Date of Report *(Mo, Da, Yr)*
(816) 556-2200	(1) [X] An Original (2) [ ] A Resubmission	08/30/2010

QUARTERLY CORPORATE OFFICER CERTIFICATION

The undersigned officer certifies that:

I have examined this report and to the best of my knowledge, information, and belief all statements of fact contained in this report are correct statements of the business affairs of the respondent and the financial statements, and other financial information contained in this report, conform in all material respects to the Uniform System of Accounts.

01 Name / 02 Title	03 Signature	04 Date Signed *(Mo, Da, Yr)*
01 Name Lori A. Wright 02 Title Vice President & Controller	Lori A. Wright	08/30/2010

Title 18, U.S.C. 1001 makes it a crime for any person to knowingly and willingly to make to any Agency or Department of the United States any false, fictitious or fraudulent statements as to any matter within its jurisdiction.

Name of Respondent	This Report Is:	Date of Report (Mo, Da, Yr)	Year/Period of Report
KCP&L Greater Missouri Operations Company	(1) [X] An Original (2) [ ] A Resubmission	08/30/2010	End of 2010/Q2

LIST OF SCHEDULES (Electric Utility)

Enter in column (c) the terms "none," "not applicable," or "NA," as appropriate, where no information or amounts have been reported for certain pages. Omit pages where the respondents are "none," "not applicable," or "NA".

Line No.	Title of Schedule (a)	Reference Page No. (b)	Remarks (c)
1	Important Changes During the Quarter	108-109	
2	Comparative Balance Sheet	110-113	
3	Statement of Income for the Quarter	114-117	
4	Statement of Retained Earnings for the Quarter	118-119	
5	Statement of Cash Flows	120-121	
6	Notes to Financial Statements	122-123	
7	Statement of Accum Comp Income, Comp Income, and Hedging Activities	122 (a)(b)	
8	Summary of Utility Plant & Accumulated Provisions for Dep, Amort & Dep	200-201	
9	Electric Plant In Service and Accum Provision For Depr by Function	208	
10	Transmission Service and Generation Interconnection Study Costs	231	
11	Other Regulatory Assets	232	
12	Other Regulatory Liabilities	278	
13	Elec Operating Revenues (Individual Schedule Lines 300-301)	300-301	
14	Regional Transmission Service Revenues (Account 457.1)	302	NA
15	Electric Prod, Other Power Supply Exp, Trans and Distrib Exp	324	
16	Electric Customer Accts, Service, Sales, Admin and General Expenses	325	
17	Transmission of Electricity for Others	328-330	
18	Transmission of Electricity by ISO/RTOs	331	NA
19	Transmission of Electricity by Others	332	
20	Deprec, Depl and Amort of Elec Plant (403,403.1,404,and 405) (except A	338	
21	Amounts Included in ISO/RTO Settlement Statements	397	
22	Monthly Peak Loads and Energy Output	399	
23	Monthly Transmission System Peak Load	400	
24	Monthly ISO/RTO Transmission System Peak Load	400a	NA

IMPORTANT CHANGES DURING THE QUARTER/YEAR

Give particulars (details) concerning the matters indicated below. Make the statements explicit and precise, and number them in accordance with the inquiries. Each inquiry should be answered. Enter "none," "not applicable," or "NA" where applicable. If information which answers an inquiry is given elsewhere in the report, make a reference to the schedule in which it appears.

1. Changes in and important additions to franchise rights: Describe the actual consideration given therefore and state from whom the franchise rights were acquired. If acquired without the payment of consideration, state that fact.
2. Acquisition of ownership in other companies by reorganization, merger, or consolidation with other companies: Give names of companies involved, particulars concerning the transactions, name of the Commission authorizing the transaction, and reference to Commission authorization.
3. Purchase or sale of an operating unit or system: Give a brief description of the property, and of the transactions relating thereto, and reference to Commission authorization, if any was required. Give date journal entries called for by the Uniform System of Accounts were submitted to the Commission.
4. Important leaseholds (other than leaseholds for natural gas lands) that have been acquired or given, assigned or surrendered: Give effective dates, lengths of terms, names of parties, rents, and other condition. State name of Commission authorizing lease and give reference to such authorization.
5. Important extension or reduction of transmission or distribution system: State territory added or relinquished and date operations began or ceased and give reference to Commission authorization, if any was required. State also the approximate number of customers added or lost and approximate annual revenues of each class of service. Each natural gas company must also state major new continuing sources of gas made available to it from purchases, development, purchase contract or otherwise, giving location and approximate total gas volumes available, period of contracts, and other parties to any such arrangements, etc.
6. Obligations incurred as a result of issuance of securities or assumption of liabilities or guarantees including issuance of short-term debt and commercial paper having a maturity of one year or less. Give reference to FERC or State Commission authorization, as appropriate, and the amount of obligation or guarantee.
7. Changes in articles of incorporation or amendments to charter: Explain the nature and purpose of such changes or amendments.
8. State the estimated annual effect and nature of any important wage scale changes during the year.
9. State briefly the status of any materially important legal proceedings pending at the end of the year, and the results of any such proceedings culminated during the year.
10. Describe briefly any materially important transactions of the respondent not disclosed elsewhere in this report in which an officer, director, security holder reported on Page 106, voting trustee, associated company or known associate of any of these persons was a party or in which any such person had a material interest.
11. (Reserved.)
12. If the important changes during the year relating to the respondent company appearing in the annual report to stockholders are applicable in every respect and furnish the data required by Instructions 1 to 11 above, such notes may be included on this page.
13. Describe fully any changes in officers, directors, major security holders and voting powers of the respondent that may have occurred during the reporting period.
14. In the event that the respondent participates in a cash management program(s) and its proprietary capital ratio is less than 30 percent please describe the significant events or transactions causing the proprietary capital ratio to be less than 30 percent, and the extent to which the respondent has amounts loaned or money advanced to its parent, subsidiary, or affiliated companies through a cash management program(s). Additionally, please describe plans, if any to regain at least a 30 percent proprietary ratio.

PAGE 108 INTENTIONALLY LEFT BLANK
SEE PAGE 109 FOR REQUIRED INFORMATION.

1. None

2. None

3. None

4. None

5. None

6. Please see pages 122-123 for Notes to Financial Statements, Note 5 Short-Term Borrowings and Short-Term Bank Lines of Credit and Note 6 Long-Term Debt for obligations incurred during the second quarter 2010.

7. None

8. General contract (union) wage increases during the second quarter 2010 are as follows:
Local 1613 increase of 3.25% was effective 4/1/10.

9. **Legal and Regulatory Proceedings/Actions:**
Please see pages 122-123 for Notes to Financial Statements, Note 3 Regulatory Matters, Note 7 Commitments and Contingencies detailing 2010 Environmental Matters and Note 8 for Legal Proceedings that were still active at June 30, 2010.

10. See 13.

11. Reserved

12. See the Notes to Financial Statements included on pages 122-123.

13. On May 6, 2010, Great Plains Energy announced that John M. Marshall, Executive Vice-President - Utility Operations of KCP&L, and Barbara B. Curry, Senior Vice-President - Human Resources and Corporate Secretary of Great Plains Energy, KCP&L and GMO, would be retiring on July, 31, 2010, and May 31, 2010, respectively.

On May 4, 2010, the Boards of Directors of Great Plains Energy, KCP&L and GMO approved retirement and consulting agreements for Mr. Marshall and Ms. Curry. Each executive's agreement provides for, among other things: (a) the forfeiture as of the applicable retirement date of restricted stock and performance share grants made in 2010 to the executive; (b) the vesting and payment of restricted stock and performance share grants made prior to 2010 to the executive as though the executive continued his or her employment through the applicable vesting and payment dates; (c) the payment of the executive's 2010 annual incentive plan award as though the executive continued his or her employment through December 31, 2010, with the executive deemed to have achieved the target level of the individual performance component of the award; (d) a consulting arrangement through December 31, 2010, in consideration of a $100,000 lump sum payment; and (e) a general cross-release of claims. In addition, Mr. Marshall's agreement provides for a special bonus of $240,000, payable upon his retirement.

On May 4, 2010, Terry Bassham was appointed Executive Vice President – Utility Operations of KCP&L and GMO, effective as of July 6, 2010. Until this appointment became effective, Mr. Bassham continued in his positions as Executive Vice President – Finance and Strategic Planning and Chief Financial Officer of Great Plains Energy, KCP&L and GMO. There were no changes made to Mr. Bassham's existing compensation arrangements. Mr. Marshall's position changed to Executive Vice President of KCP&L and GMO effective as of July 6, 2010.

Also on May 4, 2010, the Boards of Directors of Great Plains Energy, KCP&L and GMO appointed James C. Shay as Senior Vice President – Finance and Strategic Planning and Chief Financial Officer, effective as of July 6, 2010. Mr. Shay's annual salary will be $375,000, subject to adjustment from time to time by the Board of Directors. He will receive a $500,000 grant of time-based restricted stock, 60% of which will vest in three years, 20% will vest in four years, and 20% will vest in five years from the date of grant, which is expected to occur in August 2010. Mr. Shay's target amount of incentive compensation under Great Plains Energy's annual incentive plan is set at 60%, with any payment for 2010 prorated for the time Mr. Shay was an officer that year. Mr. Shay will also be eligible to receive, starting in 2011, equity grants under Great Plains Energy's long-term incentive plan equal, at target performance, to 100% of his base salary. Mr. Shay is expected to enter into customary indemnification and change in control severance agreements, and will participate in Great Plains Energy's qualified defined benefit pension plan and supplemental executive retirement plan on the same basis as Mr. Bassham, as described in Great Plains Energy's proxy statement filed with the Securities and Exchange Commission on March 24, 2010.

On May 18, 2010, Carl D. Churchman, Vice President - Construction of KCP&L and GMO, resigned his positions.

14. Not Applicable

Name of Respondent	This Report Is:	Date of Report (Mo, Da, Yr)	Year/Period of Report
KCP&L Greater Missouri Operations Company	(1) [X] An Original (2) [ ] A Resubmission	08/30/2010	End of 2010/Q2

COMPARATIVE BALANCE SHEET (ASSETS AND OTHER DEBITS)

Line No.	Title of Account (a)	Ref. Page No. (b)	Current Year End of Quarter/Year Balance (c)	Prior Year End Balance 12/31 (d)
1	**UTILITY PLANT**			
2	Utility Plant (101-106, 114)	200-201	2,629,168,603	2,590,506,193
3	Construction Work in Progress (107)	200-201	394,221,462	364,237,994
4	TOTAL Utility Plant (Enter Total of lines 2 and 3)		3,023,390,065	2,954,744,187
5	(Less) Accum. Prov. for Depr. Amort. Depl. (108, 110, 111, 115)	200-201	967,488,900	938,068,250
6	Net Utility Plant (Enter Total of line 4 less 5)		2,055,901,165	2,016,675,937
7	Nuclear Fuel in Process of Ref., Conv.,Enrich., and Fab. (120.1)	202-203	0	0
8	Nuclear Fuel Materials and Assemblies-Stock Account (120.2)		0	0
9	Nuclear Fuel Assemblies in Reactor (120.3)		0	0
10	Spent Nuclear Fuel (120.4)		0	0
11	Nuclear Fuel Under Capital Leases (120.6)		0	0
12	(Less) Accum. Prov. for Amort. of Nucl. Fuel Assemblies (120.5)	202-203	0	0
13	Net Nuclear Fuel (Enter Total of lines 7-11 less 12)		0	0
14	Net Utility Plant (Enter Total of lines 6 and 13)		2,055,901,165	2,016,675,937
15	Utility Plant Adjustments (116)		0	0
16	Gas Stored Underground - Noncurrent (117)		0	0
17	**OTHER PROPERTY AND INVESTMENTS**			
18	Nonutility Property (121)		25,129,995	25,873,723
19	(Less) Accum. Prov. for Depr. and Amort. (122)		5,698,460	5,697,278
20	Investments in Associated Companies (123)		0	0
21	Investment in Subsidiary Companies (123.1)	224-225	-887,239,156	-889,522,328
22	(For Cost of Account 123.1, See Footnote Page 224, line 42)			
23	Noncurrent Portion of Allowances	228-229	0	0
24	Other Investments (124)		0	0
25	Sinking Funds (125)		0	0
26	Depreciation Fund (126)		0	0
27	Amortization Fund - Federal (127)		0	0
28	Other Special Funds (128)		25,741,547	26,494,208
29	Special Funds (Non Major Only) (129)		0	0
30	Long-Term Portion of Derivative Assets (175)		0	0
31	Long-Term Portion of Derivative Assets – Hedges (176)		0	0
32	TOTAL Other Property and Investments (Lines 18-21 and 23-31)		-842,066,074	-842,851,675
33	**CURRENT AND ACCRUED ASSETS**			
34	Cash and Working Funds (Non-major Only) (130)		0	0
35	Cash (131)		1,134,519	1,260,251
36	Special Deposits (132-134)		3,848,336	4,307,269
37	Working Fund (135)		374,050	374,050
38	Temporary Cash Investments (136)		895,626	37,654,443
39	Notes Receivable (141)		0	0
40	Customer Accounts Receivable (142)		57,496,583	47,273,088
41	Other Accounts Receivable (143)		10,014,857	9,933,505
42	(Less) Accum. Prov. for Uncollectible Acct.-Credit (144)		1,610,507	1,153,177
43	Notes Receivable from Associated Companies (145)		892,070,458	1,331,303,550
44	Accounts Receivable from Assoc. Companies (146)		7,853,713	207,391,151
45	Fuel Stock (151)	227	27,795,003	29,482,597
46	Fuel Stock Expenses Undistributed (152)	227	0	0
47	Residuals (Elec) and Extracted Products (153)	227	0	0
48	Plant Materials and Operating Supplies (154)	227	31,282,603	28,894,060
49	Merchandise (155)	227	0	0
50	Other Materials and Supplies (156)	227	0	0
51	Nuclear Materials Held for Sale (157)	202-203/227	0	0
52	Allowances (158.1 and 158.2)	228-229	9,180,032	9,891,057

COMPARATIVE BALANCE SHEET (ASSETS AND OTHER DEBITS)(Continued)

Line No.	Title of Account (a)	Ref. Page No. (b)	Current Year End of Quarter/Year Balance (c)	Prior Year End Balance 12/31 (d)
53	(Less) Noncurrent Portion of Allowances		0	0
54	Stores Expense Undistributed (163)	227	7,763,622	7,628,747
55	Gas Stored Underground - Current (164.1)		0	0
56	Liquefied Natural Gas Stored and Held for Processing (164.2-164.3)		0	0
57	Prepayments (165)		2,573,089	2,390,772
58	Advances for Gas (166-167)		0	0
59	Interest and Dividends Receivable (171)		0	0
60	Rents Receivable (172)		277,912	426,701
61	Accrued Utility Revenues (173)		45,578,874	33,265,601
62	Miscellaneous Current and Accrued Assets (174)		0	4,791,588
63	Derivative Instrument Assets (175)		0	0
64	(Less) Long-Term Portion of Derivative Instrument Assets (175)		0	0
65	Derivative Instrument Assets - Hedges (176)		0	0
66	(Less) Long-Term Portion of Derivative Instrument Assets - Hedges (176		0	0
67	Total Current and Accrued Assets (Lines 34 through 66)		1,096,528,770	1,755,115,253
68	**DEFERRED DEBITS**			
69	Unamortized Debt Expenses (181)		2,228,120	2,588,301
70	Extraordinary Property Losses (182.1)	230a	0	0
71	Unrecovered Plant and Regulatory Study Costs (182.2)	230b	0	0
72	Other Regulatory Assets (182.3)	232	228,257,501	212,377,615
73	Prelim. Survey and Investigation Charges (Electric) (183)		125,471	128,452
74	Preliminary Natural Gas Survey and Investigation Charges 183.1)		0	0
75	Other Preliminary Survey and Investigation Charges (183.2)		0	0
76	Clearing Accounts (184)		-419,850	1,465,513
77	Temporary Facilities (185)		0	0
78	Miscellaneous Deferred Debits (186)	233	175,412,408	176,203,418
79	Def. Losses from Disposition of Utility Plt. (187)		0	0
80	Research, Devel. and Demonstration Expend. (188)	352-353	0	0
81	Unamortized Loss on Reaquired Debt (189)		273,533	295,735
82	Accumulated Deferred Income Taxes (190)	234	452,029,922	488,223,807
83	Unrecovered Purchased Gas Costs (191)		0	0
84	Total Deferred Debits (lines 69 through 83)		857,907,105	881,282,841
85	TOTAL ASSETS (lines 14-16, 32, 67, and 84)		3,168,270,966	3,810,222,356

Name of Respondent	This Report is:	Date of Report (mo, da, yr)	Year/Period of Report
KCP&L Greater Missouri Operations Company	(1) [X] An Original (2) [ ] A Resubmission	08/30/2010	end of 2010/Q2

COMPARATIVE BALANCE SHEET (LIABILITIES AND OTHER CREDITS)

Line No.	Title of Account (a)	Ref. Page No. (b)	Current Year End of Quarter/Year Balance (c)	Prior Year End Balance 12/31 (d)
1	PROPRIETARY CAPITAL			
2	Common Stock Issued (201)	250-251	0	0
3	Preferred Stock Issued (204)	250-251	0	0
4	Capital Stock Subscribed (202, 205)		0	0
5	Stock Liability for Conversion (203, 206)		0	0
6	Premium on Capital Stock (207)		0	0
7	Other Paid-In Capital (208-211)	253	1,276,949,287	1,276,949,287
8	Installments Received on Capital Stock (212)	252	0	0
9	(Less) Discount on Capital Stock (213)	254	0	0
10	(Less) Capital Stock Expense (214)	254b	0	0
11	Retained Earnings (215, 215.1, 216)	118-119	39,875,022	30,395,104
12	Unappropriated Undistributed Subsidiary Earnings (216.1)	118-119	-2,118,666	-4,401,837
13	(Less) Reaquired Capital Stock (217)	250-251	0	0
14	Noncorporate Proprietorship (Non-major only) (218)		0	0
15	Accumulated Other Comprehensive Income (219)	122(a)(b)	-705,971	-809,276
16	Total Proprietary Capital (lines 2 through 15)		1,313,999,672	1,302,133,278
17	LONG-TERM DEBT			
18	Bonds (221)	256-257	30,275,000	31,400,000
19	(Less) Reaquired Bonds (222)	256-257	0	0
20	Advances from Associated Companies (223)	256-257	0	0
21	Other Long-Term Debt (224)	256-257	998,466,580	1,015,696,887
22	Unamortized Premium on Long-Term Debt (225)		0	0
23	(Less) Unamortized Discount on Long-Term Debt-Debit (226)		0	0
24	Total Long-Term Debt (lines 18 through 23)		1,028,741,580	1,047,096,887
25	OTHER NONCURRENT LIABILITIES			
26	Obligations Under Capital Leases - Noncurrent (227)		2,024,018	2,051,456
27	Accumulated Provision for Property Insurance (228.1)		0	0
28	Accumulated Provision for Injuries and Damages (228.2)		2,283,778	2,793,382
29	Accumulated Provision for Pensions and Benefits (228.3)		19,297,719	19,443,555
30	Accumulated Miscellaneous Operating Provisions (228.4)		0	0
31	Accumulated Provision for Rate Refunds (229)		0	0
32	Long-Term Portion of Derivative Instrument Liabilities		0	0
33	Long-Term Portion of Derivative Instrument Liabilities - Hedges		0	0
34	Asset Retirement Obligations (230)		13,181,756	12,789,319
35	Total Other Noncurrent Liabilities (lines 26 through 34)		36,787,271	37,077,712
36	CURRENT AND ACCRUED LIABILITIES			
37	Notes Payable (231)		267,000,000	232,000,000
38	Accounts Payable (232)		36,222,554	54,074,414
39	Notes Payable to Associated Companies (233)		3,695,849	647,063,467
40	Accounts Payable to Associated Companies (234)		19,627,100	42,994,935
41	Customer Deposits (235)		6,902,975	7,021,485
42	Taxes Accrued (236)	262-263	5,777,021	2,290,820
43	Interest Accrued (237)		37,385,057	37,184,422
44	Dividends Declared (238)		0	0
45	Matured Long-Term Debt (239)		0	0

Name of Respondent	This Report is:	Date of Report (mo, da, yr)	Year/Period of Report
KCP&L Greater Missouri Operations Company	(1) [X] An Original (2) [ ] A Resubmission	08/30/2010	end of 2010/Q2

COMPARATIVE BALANCE SHEET (LIABILITIES AND OTHER CREDITS)(continued)

Line No.	Title of Account (a)	Ref. Page No. (b)	Current Year End of Quarter/Year Balance (c)	Prior Year End Balance 12/31 (d)
46	Matured Interest (240)		0	0
47	Tax Collections Payable (241)		1,294,829	754,755
48	Miscellaneous Current and Accrued Liabilities (242)		10,955,267	11,041,167
49	Obligations Under Capital Leases-Current (243)		53,816	51,738
50	Derivative Instrument Liabilities (244)		0	0
51	(Less) Long-Term Portion of Derivative Instrument Liabilities		0	0
52	Derivative Instrument Liabilities - Hedges (245)		0	0
53	(Less) Long-Term Portion of Derivative Instrument Liabilities-Hedges		0	0
54	Total Current and Accrued Liabilities (lines 37 through 53)		388,914,468	1,034,477,203
55	DEFERRED CREDITS			
56	Customer Advances for Construction (252)		5,545,706	6,181,231
57	Accumulated Deferred Investment Tax Credits (255)	266-267	4,436,523	4,806,982
58	Deferred Gains from Disposition of Utility Plant (256)		0	0
59	Other Deferred Credits (253)	269	19,230,658	29,274,299
60	Other Regulatory Liabilities (254)	278	51,456,113	50,968,075
61	Unamortized Gain on Reaquired Debt (257)		0	0
62	Accum. Deferred Income Taxes-Accel. Amort.(281)	272-277	0	0
63	Accum. Deferred Income Taxes-Other Property (282)		246,566,034	237,118,571
64	Accum. Deferred Income Taxes-Other (283)		72,592,941	61,088,118
65	Total Deferred Credits (lines 56 through 64)		399,827,975	389,437,276
66	TOTAL LIABILITIES AND STOCKHOLDER EQUITY (lines 16, 24, 35, 54 and 65)		3,168,270,966	3,810,222,356

Name of Respondent	This Report Is:	Date of Report (Mo, Da, Yr)	Year/Period of Report
KCP&L Greater Missouri Operations Company	(1) [X] An Original (2) [ ] A Resubmission	08/30/2010	End of 2010/Q2

STATEMENT OF INCOME

Quarterly

1. Report in column (c) the current year to date balance. Column (c) equals the total of adding the data in column (g) plus the data in column (i) plus the data in column (k). Report in column (d) similar data for the previous year. This information is reported in the annual filing only.
2. Enter in column (e) the balance for the reporting quarter and in column (f) the balance for the same three month period for the prior year.
3. Report in column (g) the quarter to date amounts for electric utility function; in column (i) the quarter to date amounts for gas utility, and in column (k) the quarter to date amounts for other utility function for the current year quarter.
4. Report in column (h) the quarter to date amounts for electric utility function; in column (j) the quarter to date amounts for gas utility, and in column (l) the quarter to date amounts for other utility function for the prior year quarter.
5. If additional columns are needed, place them in a footnote.

Annual or Quarterly if applicable

5. Do not report fourth quarter data in columns (e) and (f)
6. Report amounts for accounts 412 and 413, Revenues and Expenses from Utility Plant Leased to Others, in another utility columnin a similar manner to a utility department. Spread the amount(s) over lines 2 thru 26 as appropriate. Include these amounts in columns (c) and (d) totals.
7. Report amounts in account 414, Other Utility Operating Income, in the same manner as accounts 412 and 413 above.

Line No.	Title of Account (a)	(Ref.) Page No. (b)	Total Current Year to Date Balance for Quarter/Year (c)	Total Prior Year to Date Balance for Quarter/Year (d)	Current 3 Months Ended Quarterly Only No 4th Quarter (e)	Prior 3 Months Ended Quarterly Only No 4th Quarter (f)
1	UTILITY OPERATING INCOME					
2	Operating Revenues (400)	300-301	350,677,312	297,341,232	179,368,668	155,658,194
3	Operating Expenses					
4	Operation Expenses (401)	320-323	203,617,907	193,465,037	91,220,542	93,922,033
5	Maintenance Expenses (402)	320-323	23,490,515	22,484,356	12,065,115	10,884,733
6	Depreciation Expense (403)	336-337	36,083,802	34,515,349	18,084,517	17,739,636
7	Depreciation Expense for Asset Retirement Costs (403.1)	336-337	34,546	36,854	17,273	26,318
8	Amort. & Depl. of Utility Plant (404-405)	336-337	1,302,555	1,144,320	595,272	572,160
9	Amort. of Utility Plant Acq. Adj. (406)	336-337				
10	Amort. Property Losses, Unrecov Plant and Regulatory Study Costs (407)					
11	Amort. of Conversion Expenses (407)					
12	Regulatory Debits (407.3)					
13	(Less) Regulatory Credits (407.4)		426,983	431,680	213,491	235,700
14	Taxes Other Than Income Taxes (408.1)	262-263	12,932,280	10,207,424	6,299,016	6,006,544
15	Income Taxes - Federal (409.1)	262-263	-1,330,308	-21,161,268	4,033,058	-17,141,799
16	- Other (409.1)	262-263	-205,353	-3,306,584	631,685	-2,684,859
17	Provision for Deferred Income Taxes (410.1)	234, 272-277	16,693,859	26,132,336	7,538,030	24,873,622
18	(Less) Provision for Deferred Income Taxes-Cr. (411.1)	234, 272-277	-4,642,471	3,642,922	-3,459,227	2,663,518
19	Investment Tax Credit Adj. - Net (411.4)	266	-370,459	-397,639	-185,230	-198,819
20	(Less) Gains from Disp. of Utility Plant (411.6)					
21	Losses from Disp. of Utility Plant (411.7)					
22	(Less) Gains from Disposition of Allowances (411.8)					
23	Losses from Disposition of Allowances (411.9)					
24	Accretion Expense (411.10)		392,437	394,827	196,219	209,384
25	TOTAL Utility Operating Expenses (Enter Total of lines 4 thru 24)		296,857,269	259,440,410	143,741,233	131,309,735
26	Net Util Oper Inc (Enter Tot line 2 less 25) Carry to Pg117,line 27		53,820,043	37,900,822	35,627,435	24,348,459

Name of Respondent	This Report Is:	Date of Report (Mo, Da, Yr)	Year/Period of Report
KCP&L Greater Missouri Operations Company	(1) [X] An Original (2) [ ] A Resubmission	08/30/2010	End of 2010/Q2

STATEMENT OF INCOME FOR THE YEAR (Continued)

9. Use page 122 for important notes regarding the statement of income for any account thereof.
10. Give concise explanations concerning unsettled rate proceedings where a contingency exists such that refunds of a material amount may need to be made to the utility's customers or which may result in material refund to the utility with respect to power or gas purchases. State for each year effected the gross revenues or costs to which the contingency relates and the tax effects together with an explanation of the major factors which affect the rights of the utility to retain such revenues or recover amounts paid with respect to power or gas purchases.
11 Give concise explanations concerning significant amounts of any refunds made or received during the year resulting from settlement of any rate proceeding affecting revenues received or costs incurred for power or gas purches, and a summary of the adjustments made to balance sheet, income, and expense accounts.
12. If any notes appearing in the report to stokholders are applicable to the Statement of Income, such notes may be included at page 122.
13. Enter on page 122 a concise explanation of only those changes in accounting methods made during the year which had an effect on net income, including the basis of allocations and apportionments from those used in the preceding year. Also, give the appropriate dollar effect of such changes.
14. Explain in a footnote if the previous year's/quarter's figures are different from that reported in prior reports.
15. If the columns are insufficient for reporting additional utility departments, supply the appropriate account titles report the information in a footnote to this schedule.

ELECTRIC UTILITY		GAS UTILITY		OTHER UTILITY		
Current Year to Date (in dollars) (g)	Previous Year to Date (in dollars) (h)	Current Year to Date (in dollars) (i)	Previous Year to Date (in dollars) (j)	Current Year to Date (in dollars) (k)	Previous Year to Date (in dollars) (l)	Line No.
						1
350,677,312	297,341,232					2
						3
203,617,907	193,465,037					4
23,490,515	22,484,356					5
36,083,802	34,515,349					6
34,546	36,854					7
1,302,555	1,144,320					8
						9
						10
						11
						12
426,983	431,680					13
12,932,280	10,207,424					14
-1,330,308	-21,161,268					15
-205,353	-3,306,584					16
16,693,859	26,132,336					17
-4,642,471	3,642,922					18
-370,459	-397,639					19
						20
						21
						22
						23
392,437	394,827					24
296,857,269	259,440,410					25
53,820,043	37,900,822					26

Name of Respondent	This Report Is:	Date of Report (Mo, Da, Yr)	Year/Period of Report
KCP&L Greater Missouri Operations Company	(1) [X] An Original (2) [ ] A Resubmission	08/30/2010	End of 2010/Q2

STATEMENT OF INCOME FOR THE YEAR (continued)

Line No.	Title of Account (a)	(Ref.) Page No. (b)	TOTAL Current Year (c)	TOTAL Previous Year (d)	Current 3 Months Ended Quarterly Only No 4th Quarter (e)	Prior 3 Months Ended Quarterly Only No 4th Quarter (f)
27	Net Utility Operating Income (Carried forward from page 114)		53,820,043	37,900,822	35,627,435	24,348,459
28	Other Income and Deductions					
29	Other Income					
30	Nonutilty Operating Income					
31	Revenues From Merchandising, Jobbing and Contract Work (415)					-41,526
32	(Less) Costs and Exp. of Merchandising, Job. & Contract Work (416)					
33	Revenues From Nonutility Operations (417)		288,502	247,770	143,577	151,434
34	(Less) Expenses of Nonutility Operations (417.1)		387,888	-556,361	241,203	178,577
35	Nonoperating Rental Income (418)		16,500			
36	Equity in Earnings of Subsidiary Companies (418.1)	119	2,283,171	976,145	296,644	-183,935
37	Interest and Dividend Income (419)		1,350,542	1,351,714	370,209	806,540
38	Allowance for Other Funds Used During Construction (419.1)		4,113,754	5,391,488	2,109,856	1,742,280
39	Miscellaneous Nonoperating Income (421)		147,299	492,504	75,118	428,585
40	Gain on Disposition of Property (421.1)					
41	TOTAL Other Income (Enter Total of lines 31 thru 40)		7,811,880	9,015,982	2,754,201	2,724,801
42	Other Income Deductions					
43	Loss on Disposition of Property (421.2)		126,320		126,320	
44	Miscellaneous Amortization (425)			247,983		123,990
45	Donations (426.1)		626,708	401,905	360,188	149,526
46	Life Insurance (426.2)		-48,176	-585,617	-48,176	-539,189
47	Penalties (426.3)		238,713	17,268	-1,287	14,971
48	Exp. for Certain Civic, Political & Related Activities (426.4)		79,861	77,697	33,428	34,634
49	Other Deductions (426.5)		52,033	51,180	26,598	28,102
50	TOTAL Other Income Deductions (Total of lines 43 thru 49)		1,075,459	210,416	497,071	-187,966
51	Taxes Applic. to Other Income and Deductions					
52	Taxes Other Than Income Taxes (408.2)	262-263	199,341	199,998	99,342	99,999
53	Income Taxes-Federal (409.2)	262-263	-26,715,735	-2,002,542	-18,645,868	-3,004,474
54	Income Taxes-Other (409.2)	262-263	-2,991,953	-418,010	-2,219,971	-561,061
55	Provision for Deferred Inc. Taxes (410.2)	234, 272-277			97,492	
56	(Less) Provision for Deferred Income Taxes-Cr. (411.2)	234, 272-277	-29,799,080	10,813,936	-20,644,371	-4,970,580
57	Investment Tax Credit Adj.-Net (411.5)					
58	(Less) Investment Tax Credits (420)					
59	TOTAL Taxes on Other Income and Deductions (Total of lines 52-58)		290,733	-13,034,490	-24,634	1,505,044
60	Net Other Income and Deductions (Total of lines 41, 50, 59)		6,445,688	21,840,056	2,281,764	1,407,723
61	Interest Charges					
62	Interest on Long-Term Debt (427)		30,281,166	34,355,045	15,074,117	16,970,293
63	Amort. of Debt Disc. and Expense (428)		364,731	547,426	184,641	221,208
64	Amortization of Loss on Reaquired Debt (428.1)		22,202	22,202	11,101	11,101
65	(Less) Amort. of Premium on Debt-Credit (429)					
66	(Less) Amortization of Gain on Reaquired Debt-Credit (429.1)					
67	Interest on Debt to Assoc. Companies (430)		26,600	95,414	14,939	31,332
68	Other Interest Expense (431)		2,176,938	3,492,816	1,134,830	1,726,406
69	(Less) Allowance for Borrowed Funds Used During Construction-Cr. (432)		3,968,995	3,348,746	2,036,474	1,590,429
70	Net Interest Charges (Total of lines 62 thru 69)		28,902,642	35,164,157	14,383,154	17,369,911
71	Income Before Extraordinary Items (Total of lines 27, 60 and 70)		31,363,089	24,576,721	23,526,045	8,386,271
72	Extraordinary Items					
73	Extraordinary Income (434)					
74	(Less) Extraordinary Deductions (435)					
75	Net Extraordinary Items (Total of line 73 less line 74)					
76	Income Taxes-Federal and Other (409.3)	262-263				
77	Extraordinary Items After Taxes (line 75 less line 76)					
78	Net Income (Total of line 71 and 77)		31,363,089	24,576,721	23,526,045	8,386,271

Name of Respondent	This Report Is:	Date of Report (Mo, Da, Yr)	Year/Period of Report
KCP&L Greater Missouri Operations Company	(1) [X] An Original (2) [ ] A Resubmission	08/30/2010	End of 2010/Q2

STATEMENT OF RETAINED EARNINGS

1. Do not report Lines 49-53 on the quarterly version.
2. Report all changes in appropriated retained earnings, unappropriated retained earnings, year to date, and unappropriated undistributed subsidiary earnings for the year.
3. Each credit and debit during the year should be identified as to the retained earnings account in which recorded (Accounts 433, 436 - 439 inclusive). Show the contra primary account affected in column (b)
4. State the purpose and amount of each reservation or appropriation of retained earnings.
5. List first account 439, Adjustments to Retained Earnings, reflecting adjustments to the opening balance of retained earnings. Follow by credit, then debit items in that order.
6. Show dividends for each class and series of capital stock.
7. Show separately the State and Federal income tax effect of items shown in account 439, Adjustments to Retained Earnings.
8. Explain in a footnote the basis for determining the amount reserved or appropriated. If such reservation or appropriation is to be recurrent, state the number and annual amounts to be reserved or appropriated as well as the totals eventually to be accumulated.
9. If any notes appearing in the report to stockholders are applicable to this statement, include them on pages 122-123.

Line No.	Item (a)	Contra Primary Account Affected (b)	Current Quarter/Year Year to Date Balance (c)	Previous Quarter/Year Year to Date Balance (d)
	UNAPPROPRIATED RETAINED EARNINGS (Account 216)			
1	Balance-Beginning of Period		30,395,104	5,870,154
2	Changes			
3	Adjustments to Retained Earnings (Account 439)			
4				
5				
6				
7				
8				
9	TOTAL Credits to Retained Earnings (Acct. 439)			
10				
11				
12				
13				
14				
15	TOTAL Debits to Retained Earnings (Acct. 439)			
16	Balance Transferred from Income (Account 433 less Account 418.1)		29,079,918	23,600,577
17	Appropriations of Retained Earnings (Acct. 436)			
18				
19				
20				
21				
22	TOTAL Appropriations of Retained Earnings (Acct. 436)			
23	Dividends Declared-Preferred Stock (Account 437)			
24				
25				
26				
27				
28				
29	TOTAL Dividends Declared-Preferred Stock (Acct. 437)			
30	Dividends Declared-Common Stock (Account 438)			
31			-19,600,000	
32				
33				
34				
35				
36	TOTAL Dividends Declared-Common Stock (Acct. 438)		-19,600,000	
37	Transfers from Acct 216.1, Unapprop. Undistrib. Subsidiary Earnings			
38	Balance - End of Period (Total 1,9,15,16,22,29,36,37)		39,875,022	29,470,731
	APPROPRIATED RETAINED EARNINGS (Account 215)			
39				
40				

Name of Respondent	This Report Is:	Date of Report (Mo, Da, Yr)	Year/Period of Report
KCP&L Greater Missouri Operations Company	(1) [X] An Original (2) [ ] A Resubmission	08/30/2010	End of 2010/Q2

STATEMENT OF RETAINED EARNINGS

1. Do not report Lines 49-53 on the quarterly version.
2. Report all changes in appropriated retained earnings, unappropriated retained earnings, year to date, and unappropriated undistributed subsidiary earnings for the year.
3. Each credit and debit during the year should be identified as to the retained earnings account in which recorded (Accounts 433, 436 - 439 inclusive). Show the contra primary account affected in column (b)
4. State the purpose and amount of each reservation or appropriation of retained earnings.
5. List first account 439, Adjustments to Retained Earnings, reflecting adjustments to the opening balance of retained earnings. Follow by credit, then debit items in that order.
6. Show dividends for each class and series of capital stock.
7. Show separately the State and Federal income tax effect of items shown in account 439, Adjustments to Retained Earnings.
8. Explain in a footnote the basis for determining the amount reserved or appropriated. If such reservation or appropriation is to be recurrent, state the number and annual amounts to be reserved or appropriated as well as the totals eventually to be accumulated.
9. If any notes appearing in the report to stockholders are applicable to this statement, include them on pages 122-123.

Line No.	Item (a)	Contra Primary Account Affected (b)	Current Quarter/Year Year to Date Balance (c)	Previous Quarter/Year Year to Date Balance (d)
41				
42				
43				
44				
45	TOTAL Appropriated Retained Earnings (Account 215)			
	APPROP. RETAINED EARNINGS - AMORT. Reserve, Federal (Account 215.1)			
46	TOTAL Approp. Retained Earnings-Amort. Reserve, Federal (Acct. 215.1)			
47	TOTAL Approp. Retained Earnings (Acct. 215, 215.1) (Total 45,46)			
48	TOTAL Retained Earnings (Acct. 215, 215.1, 216) (Total 38, 47) (216.1)		39,875,022	29,470,731
	UNAPPROPRIATED UNDISTRIBUTED SUBSIDIARY EARNINGS (Account			
	Report only on an Annual Basis, no Quarterly			
49	Balance-Beginning of Year (Debit or Credit)			
50	Equity in Earnings for Year (Credit) (Account 418.1)			
51	(Less) Dividends Received (Debit)			
52				
53	Balance-End of Year (Total lines 49 thru 52)			

Name of Respondent	This Report Is:	Date of Report (Mo, Da, Yr)	Year/Period of Report
KCP&L Greater Missouri Operations Company	(1) [X] An Original (2) [ ] A Resubmission	08/30/2010	End of 2010/Q2

STATEMENT OF CASH FLOWS

(1) Codes to be used:(a) Net Proceeds or Payments;(b)Bonds, debentures and other long-term debt; (c) Include commercial paper; and (d) Identify separately such items as investments, fixed assets, intangibles, etc.
(2) Information about noncash investing and financing activities must be provided in the Notes to the Financial statements. Also provide a reconciliation between "Cash and Cash Equivalents at End of Period" with related amounts on the Balance Sheet.
(3) Operating Activities - Other: Include gains and losses pertaining to operating activities only. Gains and losses pertaining to investing and financing activities should be reported in those activities. Show in the Notes to the Financials the amounts of interest paid (net of amount capitalized) and income taxes paid.
(4) Investing Activities: Include at Other (line 31) net cash outflow to acquire other companies. Provide a reconciliation of assets acquired with liabilities assumed in the Notes to the Financial Statements. Do not include on this statement the dollar amount of leases capitalized per the USofA General Instruction 20; instead provide a reconciliation of the dollar amount of leases capitalized with the plant cost.

Line No.	Description (See Instruction No. 1 for Explanation of Codes) (a)	Current Year to Date Quarter/Year (b)	Previous Year to Date Quarter/Year (c)
1	Net Cash Flow from Operating Activities:		
2	Net Income (Line 78(c) on page 117)	31,363,089	24,576,721
3	Noncash Charges (Credits) to Income:		
4	Depreciation and Depletion	37,386,357	35,659,669
5	Amortization of Other	-16,962,474	-16,019,738
6			
7			
8	Deferred Income Taxes (Net)	51,135,410	11,675,478
9	Investment Tax Credit Adjustment (Net)	-370,459	-397,639
10	Net (Increase) Decrease in Receivables	-13,823,978	-16,847,189
11	Net (Increase) Decrease in Inventory	-835,824	-9,333,467
12	Net (Increase) Decrease in Allowances Inventory	711,025	1,328,462
13	Net Increase (Decrease) in Payables and Accrued Expenses	-13,831,931	-32,445,169
14	Net (Increase) Decrease in Other Regulatory Assets	-3,533,369	-956,744
15	Net Increase (Decrease) in Other Regulatory Liabilities	1,025,055	818,068
16	(Less) Allowance for Other Funds Used During Construction	4,113,754	5,391,488
17	(Less) Undistributed Earnings from Subsidiary Companies	2,283,171	976,145
18	Other (provide details in footnote):	-11,913,982	-16,211,922
19			
20			
21			
22	Net Cash Provided by (Used in) Operating Activities (Total 2 thru 21)	53,951,994	-24,521,103
23			
24	Cash Flows from Investment Activities:		
25	Construction and Acquisition of Plant (including land):		
26	Gross Additions to Utility Plant (less nuclear fuel)	-95,622,722	-126,451,476
27	Gross Additions to Nuclear Fuel		
28	Gross Additions to Common Utility Plant		
29	Gross Additions to Nonutility Plant		
30	(Less) Allowance for Other Funds Used During Construction	-4,113,754	-5,391,488
31	Other (provide details in footnote):		
32			
33			
34	Cash Outflows for Plant (Total of lines 26 thru 33)	-91,508,968	-121,059,988
35			
36	Acquisition of Other Noncurrent Assets (d)		
37	Proceeds from Disposal of Noncurrent Assets (d)		
38			
39	Investments in and Advances to Assoc. and Subsidiary Companies		
40	Contributions and Advances from Assoc. and Subsidiary Companies		
41	Disposition of Investments in (and Advances to)		
42	Associated and Subsidiary Companies		
43			
44	Purchase of Investment Securities (a)		
45	Proceeds from Sales of Investment Securities (a)		

STATEMENT OF CASH FLOWS

(1) Codes to be used:(a) Net Proceeds or Payments;(b)Bonds, debentures and other long-term debt; (c) Include commercial paper; and (d) Identify separately such items as investments, fixed assets, intangibles, etc.
(2) Information about noncash investing and financing activities must be provided in the Notes to the Financial statements. Also provide a reconciliation between "Cash and Cash Equivalents at End of Period" with related amounts on the Balance Sheet.
(3) Operating Activities - Other: Include gains and losses pertaining to operating activities only. Gains and losses pertaining to investing and financing activities should be reported in those activities. Show in the Notes to the Financials the amounts of interest paid (net of amount capitalized) and income taxes paid.
(4) Investing Activities: Include at Other (line 31) net cash outflow to acquire other companies. Provide a reconciliation of assets acquired with liabilities assumed in the Notes to the Financial Statements. Do not include on this statement the dollar amount of leases capitalized per the USofA General Instruction 20; instead provide a reconciliation of the dollar amount of leases capitalized with the plant cost.

Line No.	Description (See Instruction No. 1 for Explanation of Codes) (a)	Current Year to Date Quarter/Year (b)	Previous Year to Date Quarter/Year (c)
46	Loans Made or Purchased		
47	Collections on Loans		
48	Proceeds from Sales of Assets	930,345	
49	Net (Increase) Decrease in Receivables		
50	Net (Increase) Decrease in Inventory		
51	Net (Increase) Decrease in Allowances Held for Speculation		
52	Net Increase (Decrease) in Payables and Accrued Expenses		
53	Other (provide details in footnote): Net money pool lending	-7,490,000	
54	Salvage and Removal	-2,727,920	-2,749,356
55	Payment to Black Hills for asset sale working capital adjustment		-7,689,333
56	Net Cash Provided by (Used in) Investing Activities		
57	Total of lines 34 thru 55)	-100,796,543	-131,498,677
58			
59	Cash Flows from Financing Activities:		
60	Proceeds from Issuance of:		
61	Long-Term Debt (b)		
62	Preferred Stock		
63	Common Stock		
64	Other (provide details in footnote):		
65	Contribution from Great Plains Energy		207,500,000
66	Net Increase in Short-Term Debt (c)	35,000,000	
67	Other (provide details in footnote):		
68			
69			
70	Cash Provided by Outside Sources (Total 61 thru 69)	35,000,000	207,500,000
71			
72	Payments for Retirement of:		
73	Long-term Debt (b)	-1,125,000	-1,558,852
74	Preferred Stock		
75	Common Stock		
76	Other (provide details in footnote): Issuance Costs		-1,653
77	Net money pool borrowings	-4,315,000	
78	Net Decrease in Short-Term Debt (c)		-72,000,000
79			
80	Dividends on Preferred Stock		
81	Dividends on Common Stock	-19,600,000	
82	Net Cash Provided by (Used in) Financing Activities		
83	(Total of lines 70 thru 81)	9,960,000	133,939,495
84			
85	Net Increase (Decrease) in Cash and Cash Equivalents		
86	(Total of lines 22,57 and 83)	-36,884,549	-22,080,285
87			
88	Cash and Cash Equivalents at Beginning of Period	39,288,744	25,913,774
89			
90	Cash and Cash Equivalents at End of period	2,404,195	3,833,489

Schedule Page: 120 Line No.: 90 Column: b

	2010 2nd Qtr	2009 2nd Qtr
Balance Sheet, pages 110-111:		
Line No. 35 - Cash (131)	$1,134,519	$1,683,884
Line No. 36 - Special Deposits (132-134)	3,848,336	4,875,974
Line No. 37 - Working Fund (135)	374,050	374,050
Line No. 38 - Temporary Cash Investments (136)	895,626	1,775,555
Total Balance Sheet	**$6,252,531**	**$8,709,463**
Less: Funds on Deposit in 134, not considered Cash and Cash Equivalents	(3,848,336)	(4,875,974)
Cash and Cash Equivalents at End of Period	**$2,404,195**	**$3,833,489**

NOTES TO FINANCIAL STATEMENTS

1. Use the space below for important notes regarding the Balance Sheet, Statement of Income for the year, Statement of Retained Earnings for the year, and Statement of Cash Flows, or any account thereof. Classify the notes according to each basic statement, providing a subheading for each statement except where a note is applicable to more than one statement.
2. Furnish particulars (details) as to any significant contingent assets or liabilities existing at end of year, including a brief explanation of any action initiated by the Internal Revenue Service involving possible assessment of additional income taxes of material amount, or of a claim for refund of income taxes of a material amount initiated by the utility. Give also a brief explanation of any dividends in arrears on cumulative preferred stock.
3. For Account 116, Utility Plant Adjustments, explain the origin of such amount, debits and credits during the year, and plan of disposition contemplated, giving references to Cormmission orders or other authorizations respecting classification of amounts as plant adjustments and requirements as to disposition thereof.
4. Where Accounts 189, Unamortized Loss on Reacquired Debt, and 257, Unamortized Gain on Reacquired Debt, are not used, give an explanation, providing the rate treatment given these items. See General Instruction 17 of the Uniform System of Accounts.
5. Give a concise explanation of any retained earnings restrictions and state the amount of retained earnings affected by such restrictions.
6. If the notes to financial statements relating to the respondent company appearing in the annual report to the stockholders are applicable and furnish the data required by instructions above and on pages 114-121, such notes may be included herein.
7. For the 3Q disclosures, respondent must provide in the notes sufficient disclosures so as to make the interim information not misleading. Disclosures which would substantially duplicate the disclosures contained in the most recent FERC Annual Report may be omitted.
8. For the 3Q disclosures, the disclosures shall be provided where events subsequent to the end of the most recent year have occurred which have a material effect on the respondent. Respondent must include in the notes significant changes since the most recently completed year in such items as: accounting principles and practices; estimates inherent in the preparation of the financial statements; status of long-term contracts; capitalization including significant new borrowings or modifications of existing financing agreements; and changes resulting from business combinations or dispositions. However were material contingencies exist, the disclosure of such matters shall be provided even though a significant change since year end may not have occurred.
9. Finally, if the notes to the financial statements relating to the respondent appearing in the annual report to the stockholders are applicable and furnish the data required by the above instructions, such notes may be included herein.

PAGE 122 INTENTIONALLY LEFT BLANK
SEE PAGE 123 FOR REQUIRED INFORMATION.

KCP&L Greater Missouri Operations Company
Notes to Financial Statements
(Unaudited)

1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

The terms "Company" and "GMO" are used throughout this report and refer to KCP&L Greater Missouri Operations Company (GMO). GMO is a wholly owned subsidiary of Great Plains Energy Incorporated (Great Plains Energy). Great Plains Energy also owns Kansas City Power & Light (KCP&L), a regulated electric utility.

Basis of Accounting

The accounting records of GMO are maintained in accordance with the accounting requirements of the Federal Energy Regulatory Commission (FERC) as set forth in its applicable Uniform System of Accounts and published accounting releases. The accompanying financial statements have been prepared in accordance with the accounting requirements of these regulators, which differ from generally accepted accounting principles (GAAP). GMO classifies certain items in its accompanying Comparative Balance Sheet (primarily the components of accumulated deferred income taxes, certain miscellaneous current and accrued liabilities and current maturities of long-term debt) in a manner different than that required by GAAP. In addition, in accordance with regulatory reporting requirements, GMO accounts for its investments in majority-owned subsidiaries on the equity method rather than consolidating the assets, liabilities, revenues and expenses of these subsidiaries, as required by GAAP.

2. SUPPLEMENTAL CASH FLOW INFORMATION

Other Operating Activities

Year to Date June 30	**2010**	**2009**
Cash flows affected by changes in:	(millions)	
Pension and post-retirement benefit obligations	$ (11.2)	$ 1.7
Funds on deposit	(0.7)	(4.8)
Other deferred credits	(8.4)	(15.2)
Other	8.4	2.1
Total other operating activities	$ (11.9)	$ (16.2)
Cash paid during the period:		
Interest	$ 46.4	$ 64.9
Non-cash investing activities:		
Liabilities assumed for capital expenditures	$ 3.3	$ 2.5

3. REGULATORY MATTERS

Regulatory Proceedings

The following table summarizes the initial filing information in currently pending requests for retail rate increases with the Public Service Commission of the State of Missouri (MPSC).

Rate Jurisdiction	File Date	Annual Revenue Increase	Return on Equity	Rate-Making Equity Ratio
		(millions)		
GMO - Missouri Public Service division [a]	6/4/2010	$ 75.8	11.00%	46.16%
GMO - St. Joseph Light & Power division [a]	6/4/2010	22.1	11.00%	46.16%

[a] The request includes costs related to Iatan No. 2, a new coal-fired generation unit, upgrades to the transmission and distribution system to improve reliability and overall increased costs of service. Any authorized changes to retail rates are expected to be effective in June 2011.

In July 2010, GMO, MPSC staff and certain interveners filed a stipulation and agreement with the MPSC proposing procedural schedules in the current case and indicating that the signatory parties will not oppose an accounting authority order request by GMO for construction accounting for the Iatan No. 2 project from the date that Iatan No. 2 becomes operational to the effective date of new rates in the current rate case. The carrying cost rate to be applied in construction accounting in this case is to be set at a 250 basis point reduction from GMO's equity portion of its AFUDC rate, or a construction accounting rate of 7.7%. Under the proposed procedural schedules, the next major milestone in the cases is November 2010, when the MPSC staff and other interveners will file direct testimony. Hearings are proposed in early February 2011 and new rates are proposed to go into effect in June 2011. The stipulation and agreement is subject to MPSC approval.

SPP and NERC Audits
In November 2009, the Southwest Power Pool, Inc. (SPP) and the North American Electric Reliability Corporation (NERC) conducted scheduled audits of GMO regarding compliance with NERC reliability and critical infrastructure protection standards. GMO has received the final audit report alleging violation of certain standards, which could result in penalties. The timing and amount of such penalties that may be proposed is unknown at this time. The SPP also conducted a compliance inquiry regarding a transmission system outage that occurred in the St. Joseph, Missouri area in the summer of 2009. FERC and NERC are also investigating the circumstances surrounding this transmission system outage. These outage inquiries are at a preliminary stage and their outcome cannot be predicted at this time.

MPSC Regulatory Approval of the GMO Acquisition
The MPSC order approving the GMO acquisition was received on July 1, 2008. Certain parties filed appeals and a motion to stay the order with the Cole County, Missouri, Circuit Court, which affirmed the order in June 2009. That decision was appealed. In August 2010, the Missouri Western District Court of Appeals issued a ruling that upheld the MPSC order approving the GMO acquisition.

GMO Missouri 2007 Rate Case Appeal
Appeals of the May 2007 MPSC order approving an approximate $59 million increase in annual revenues were filed in July and August of 2007 with the Circuit Court of Cole County, Missouri, by the Office of Public Counsel, AG Processing, Sedalia Industrial Energy Users' Association and AARP seeking to set aside or remand the order of the MPSC. In February 2009, the Circuit Court affirmed the MPSC order. The Circuit Court's decision was affirmed by the Court of Appeals in August 2009, and the appellants have sought Missouri Supreme Court review. The order remains in effect unless reversed by the courts.

Regulatory Assets and Liabilities
GMO's regulatory assets and liabilities are detailed in the following table.

	June 30 2010		December 31 2009
Regulatory Assets		(millions)	
Taxes recoverable through future rates	$ 27.0		$ 25.5
Asset retirement obligations	12.4		11.9
Pension and post-retirement costs	95.9	(a)	84.5
Deferred customer programs	10.9		7.1
Rate case expenses	2.2	(b)	1.5
Fuel adjustment clauses	43.7	(b)	47.5
Acquisition transition costs	22.4	(c)	22.2
St. Joseph Light & Power acquisition	2.8	(d)	3.1
Storm damage	4.0	(e)	4.8
Derivative instruments	3.6	(f)	2.1
Iatan No. 1 and Common facilities depreciation and carrying costs	2.7	(g)	1.4
Other	0.7	(h)	0.8
Total	$ 228.3		$ 212.4
Regulatory Liabilities			
Emission allowances	$ 0.7		$ 0.8
Taxes refundable through future rates	2.6		2.6
Pension	33.5		34.0
Other	14.7		13.6
Total	$ 51.5		$ 51.0

(a) Represents financial and regulatory accounting method differences not included in rate base that will be eliminated over the life of the pension plans.
(b) Not included in rate base and amortized over various periods.
(c) Not included in rate base. The MPSC order provided for the deferral of transition costs to be amortized over a five-year period to the extent that synergy savings exceed transition cost amortization. GMO settled its first post-transaction rate cases and the settlement agreements did not address transition costs. GMO will continue to defer transition costs until amortization is ordered by the MPSC.
(d) Not included in rate base and amortized through 2015.
(e) Not included in rate base and amortized through 2012.
(f) Represents the fair value of derivative instruments for commodity contracts. Settlements of the contracts are recognized in fuel expense and included in GMO's fuel adjustment clause (FAC).
(g) Not included in rate base.
(h) Certain insignificant items are not included in rate base and amortized over various periods.

4. PENSION PLANS AND OTHER EMPLOYEE BENEFITS

Great Plains Energy maintains defined benefit pension plans for substantially all active and inactive employees, including officers, of its subsidiaries and incurs significant costs in providing the plans. Pension benefits under these plans reflect the employees' compensation, years of service and age at retirement.

GMO records pension expense in accordance with rate orders from the MPSC that allow the difference between pension costs under GAAP and pension costs for ratemaking to be recognized as a regulatory asset or liability. This difference between financial and regulatory accounting methods is due to timing and will be eliminated over the life of the pension plans.

In addition to providing pension benefits, Great Plains Energy provides certain post-retirement health care and life insurance benefits for substantially all retired employees of its subsidiaries. The cost of post-retirement benefits charged to GMO is accrued during an employee's years of service and recovered through rates.

The following tables provide Great Plains Energy's components of net periodic benefit costs prior to the effects of capitalization and sharing with joint-owners of power plants.

	Pension Benefits		Other Benefits	
Three Months Ended June 30	**2010**	**2009**	**2010**	**2009**
Components of net periodic benefit costs	(millions)			
Service cost	$ 7.6	$ 7.2	$ 0.9	$ 1.0
Interest cost	12.3	11.8	2.2	2.1
Expected return on plan assets	(9.2)	(8.0)	(0.6)	(0.4)
Prior service cost	1.2	1.0	1.8	2.3
Recognized net actuarial loss (gain)	9.4	9.1	-	(0.3)
Transition obligation	-	-	0.4	0.4
Settlement charge	-	0.1	-	-
Net periodic benefit costs before regulatory adjustment	21.3	21.2	4.7	5.1
Regulatory adjustment	(8.1)	(9.2)	-	(0.2)
Net periodic benefit costs	$ 13.2	$ 12.0	$ 4.7	$ 4.9

	Pension Benefits		Other Benefits	
Year to Date June 30	**2010**	**2009**	**2010**	**2009**
Components of net periodic benefit costs	(millions)			
Service cost	$ 15.2	$ 14.5	$ 1.8	$ 2.0
Interest cost	24.6	23.6	4.4	4.2
Expected return on plan assets	(18.3)	(16.0)	(1.1)	(0.8)
Prior service cost	2.4	2.0	3.6	3.3
Recognized net actuarial loss (gain)	18.7	18.2	-	(0.2)
Transition obligation	-	-	0.7	0.7
Settlement charge	-	0.1	-	-
Net periodic benefit costs before regulatory adjustment	42.6	42.4	9.4	9.2
Regulatory adjustment	(16.5)	(13.1)	-	(0.2)
Net periodic benefit costs	$ 26.1	$ 29.3	$ 9.4	$ 9.0

Year to date June 30, 2010, Great Plains Energy contributed $28.7 million to the pension plans and expects to contribute an additional $36.7 million in 2010 to satisfy the ERISA minimum funding requirements and the MPSC and The State Corporation Commission of the State of Kansas (KCC) rate orders, the majority of which is expected to be paid by KCP&L.

On March 23, 2010, the Patient Protection and Affordable Care Act, a comprehensive health care reform bill took effect. Management expects a minimal impact as a result of this new legislation in the short-term but will continue to monitor for any long-term impacts.

5. SHORT-TERM BORROWINGS AND SHORT-TERM BANK LINES OF CREDIT

GMO's $400 million revolving credit facility with a group of banks expires in September 2011. A default by GMO, Great Plains Energy or any of its significant subsidiaries on other indebtedness totaling more than $25.0 million is a default under the facility. Under the terms of this agreement, GMO is required to maintain a consolidated indebtedness to consolidated capitalization ratio, as defined in the agreement, not greater than 0.65 to 1.00 at all times. At June 30, 2010, GMO was in compliance with this covenant. At June 30, 2010, GMO had $267.0 million of outstanding cash borrowings with a weighted-average interest rate of 1.625%, and had issued letters of credit totaling $13.2 million under the credit facility. At December 31, 2009, GMO had $232.0 million of outstanding cash borrowings with a weighted-average interest rate of 1.50%, and had issued letters of credit totaling $13.2 million under the credit facility.

On August 9, 2010, GMO replaced its revolving credit facility with a three-year $450 million facility. A default by GMO on other indebtedness totaling more than $50 million is a default under the facility. Under the terms of this agreement, GMO is required to maintain a consolidated indebtedness to consolidated capitalization ratio, as defined in the agreement, not greater than 0.65 to 1.00 at all times. Transfers of unused commitments of up to $200 million between this facility and the Great Plains Energy replacement facility, also effective on August 9, 2010, are permitted.

6. LONG-TERM DEBT

GMO's long-term debt is detailed in the following table.

	Year Due	June 30 2010	December 31 2009
		(millions)	
First Mortgage Bonds			
9.44% Series	2011-2021	$ 12.4	$ 13.5
Pollution Control Bonds			
5.85% SJLP Pollution Control	2013	5.6	5.6
0.287%* Wamego Series 1996	2026	7.3	7.3
0.95%* State Environmental 1993	2028	5.0	5.0
Senior Notes			
7.95% Series	2011	137.3	137.3
7.75% Series	2011	197.0	197.0
11.875% Series	2012	500.0	500.0
8.27% Series	2021	80.9	80.9
Fair Value Adjustment		67.2	84.5
Medium Term Notes			
7.16% Series	2013	6.0	6.0
7.33% Series	2023	3.0	3.0
7.17% Series	2023	7.0	7.0
Total		$ 1,028.7	$ 1,047.1

* Variable rate

Fair Value of Long-Term Debt

Fair value of long-term debt is based on quoted market prices, with the incremental borrowing rate for similar debt used to determine fair value if quoted market prices were not available. At June 30, 2010, and December 31, 2009, the book value and fair value of GMO's long-term debt, including current maturities, was $1.0 billion and $1.1 billion, respectively.

7. COMMITMENTS AND CONTINGENCIES

Environmental Matters

GMO is subject to extensive regulation by federal, state and local authorities with regard to environmental matters primarily through their utility operations. In addition to imposing extensive and continuing compliance obligations, laws, regulations and permits authorize the imposition of substantial penalties for noncompliance, including fines, injunctive relief and other sanctions. The cost of complying with current and future environmental requirements is expected to be material to GMO. Failure to comply with environmental requirements or to timely recover environmental costs through rates could have a material adverse effect on GMO.

The following discussion groups environmental and certain associated matters into the broad categories of air and climate change, water, solid waste and remediation.

Air and Climate Change

The Clean Air Act and associated regulations enacted by the Environmental Protection Agency (EPA) form a comprehensive program to preserve air quality. States are required to establish regulations and programs to address all requirements of the Clean Air Act and have the flexibility to enact more stringent requirements. All of GMO's generating facilities, and certain of their other facilities, are subject to the Clean Air Act.

GMO's current estimate of capital expenditures (exclusive of AFUDC and property taxes) to comply with the currently effective Clean Air Interstate Rule (CAIR) and with the best available retrofit technology (BART) rule is approximately $0.2 billion. As discussed below, CAIR has been remanded to the EPA, but remains in effect until the EPA issues final rules consistent with the court's order or until the court takes further action. In July 2010, the EPA proposed regulations to replace CAIR. However, due to uncertainties regarding the proposal (discussed below), it is not possible to predict what the final rules may be, when the rules may be issued, or the costs associated with such rules. The actual cost of compliance with any future rules, and with BART, may be significantly different from the cost estimate provided.

The estimated capital costs do not reflect potential costs relating to requirements enacted in the future, including potential requirements regarding climate change and control of mercury emissions (discussed below), and also do not reflect costs relating to additional wind generation, energy efficiency and other CO_2 emission offsets that may be required under the Missouri renewable energy standards, which are discussed below. The estimate does not reflect the non-capital costs GMO incurs on an ongoing basis to comply with environmental laws, which may increase in the future due to ongoing compliance with current or future environmental laws. GMO expects to seek recovery of the costs associated with environmental requirements through rate increases; however, there can be no assurance that such rate increases would be granted. GMO may be subject to materially adverse rate treatment in response to competitive, economic, political, legislative or regulatory pressures and/or public perception of GMO's environmental reputation.

Clean Air Interstate Rule (CAIR) and Transport Rule

The CAIR requires reductions in SO_2 and NO_x emissions in 28 states, including Missouri. The reduction in both SO_2 and NO_x emissions is set to be accomplished through establishment of permanent statewide caps for NO_x effective January 1, 2009, and SO_2 effective January 1, 2010. More restrictive caps are scheduled to become effective January 1, 2015. GMO's fossil fuel-fired plants located in Missouri are subject to CAIR.

On July 11, 2008, the D.C. Circuit Court of Appeals vacated CAIR in its entirety and remanded the matter to the EPA to promulgate a new rule consistent with its opinion. On December 23, 2008, the Court issued an order remanding CAIR to the EPA to revise the rule consistent with its July 2008 order. The CAIR thus remains in effect pending future EPA or court action, including the proposed Transport Rule discussed below.

CAIR currently establishes a market-based cap-and-trade program with an emission allowance allocation. Facilities demonstrate compliance with CAIR by holding sufficient allowances for each ton of SO_2 and NO_x emitted in any given year. GMO is currently allowed to utilize unused SO_2 emission allowances that it has either accumulated during previous years of the Acid Rain Program or purchased to meet the more stringent CAIR requirements. At June 30, 2010, GMO had accumulated unused SO_2 emission allowances sufficient to support just over 21,000 tons of SO_2 emissions (enough to support expected requirements under the current CAIR through 2011), which it has received under the Acid Rain Program or purchased, which are recorded in inventory at average cost. GMO purchases NO_x allowances as needed.

In 2009, KCP&L completed environmental upgrades at Iatan No. 1 for compliance with the current CAIR rule. Analysis of the current CAIR rule indicates that NO_x and SO_2 control may be required for GMO's Sibley and Lake Road Stations in Missouri, and control may be achieved through a combination of pollution control equipment and the use or purchase of emission allowances as needed.

In July 2010, the EPA proposed the Transport Rule to replace the current CAIR. The Transport Rule, like CAIR, will require the states within its scope to reduce power plant SO_2 and NO_x emissions that contribute to ozone and fine particle nonattainment in other states. The Transport Rule includes Missouri and other states. The Transport Rule would also impose more stringent emissions limitations than CAIR and, unlike CAIR, would not utilize Acid Rain Program allowances for compliance. The EPA is proposing a preferred approach and is taking comment on two alternatives. In the EPA's preferred approach, the EPA would set an emissions budget for each of the affected states and the District of Columbia. The preferred approach would allow limited interstate emissions allowance trading among power plants. In the first alternative, the EPA is proposing to set an emissions budget for each state and allow emissions allowance trading only among power plants within a state. In the second alternative, the EPA is proposing to set an emissions budget for each state, specify the allowable emission limit for each power plant and allow some averaging. Compliance with the Transport Rule would begin in 2012, with additional reductions in SO_2 allowances allocable to the Company's Missouri power plants taking effect in 2014 pursuant to the preferred approach.

The proposed Transport Rule is complex and, as noted, contains alternative approaches. GMO is unable to predict when the Transport Rule (or other rule replacing CAIR) might be adopted, or the actual requirements of such rule. Preliminary analysis of the Transport Rule has raised various questions regarding the emission allowances allocation to, and the allowable emission rates for, GMO's power plants pursuant to the preferred approach and alternatives, which GMO will attempt to address during the rule's comment period. Regardless of the resolution of those questions, GMO projects that it may not be allocated sufficient SO_2 or NO_x emissions allowances to cover their currently expected operations starting in 2012 pursuant to the preferred approach. Any shortfall in allocated allowances would need to be addressed through permissible allowance trading, installing additional emission control equipment, changes in plant operation, purchasing additional power in the wholesale market, or a combination of these and other alternatives. While GMO cannot reasonably predict at this time the impacts of the final Transport Rule, such rule could have a significant adverse effect on GMO's results of operations, financial position and cash flows.

Best Available Retrofit Technology Rule (BART)

The EPA BART rule directs state air quality agencies to identify whether visibility-reducing emissions from sources subject to BART are below limits set by the state or whether retrofit measures are needed to reduce emissions. BART applies to specific eligible facilities including KCP&L's Iatan No. 1, in which GMO has an 18% interest, GMO's Sibley Unit No. 3 and Lake Road Unit No. 6 in Missouri and Westar Energy, Inc.'s (Westar) Jeffrey Unit Nos. 1 and 2 in Kansas, in which GMO has an 8% interest. Initially, in Missouri, compliance with CAIR will be compliance with BART for individual sources. Neither Missouri nor Kansas has received EPA approval for their BART plans.

Mercury Emissions
In January 2009, the EPA issued a memorandum stating that new electric steam generating units (EGUs) that began construction while the Clean Air Mercury Rule (CAMR) was effective are subject to a new source maximum achievable control technology (MACT) determination on a case-by-case basis.

In July 2009, the EPA sent letters notifying KCP&L that MACT determinations and schedules of compliance are required for coal and oil-fired EGUs that began actual construction or reconstruction after December 15, 2000, and identified Iatan No. 2, in which GMO has an 18% interest, as an affected EGU. This was an outcome of the D.C. Court of Appeals' vacatur of both the CAMR and the contemporaneously promulgated rule removing EGUs from MACT requirements. It is not currently known how MACT determinations and schedules of compliance will impact the permitting or operating requirements for this unit, but it is possible a MACT determination may ultimately require additional emission control equipment and permit limits at Iatan No. 2.

In April 2010, the EPA, in a court approved settlement, agreed to develop MACT standards for mercury and potentially other hazardous air pollutant emissions. In the settlement agreement, the EPA agreed to propose MACT standards in March 2011 with final standards by November 2011. These MACT standards, if adopted, could impact GMO's new and existing facilities.

Management cannot predict the outcome of further judicial, administrative or regulatory actions or their financial or operational effects on GMO. Such actions could have a significant effect on GMO's results of operations, financial position and cash flows. Some of the control technology for SO_2 and NO_x could also aid in the control of mercury.

Industrial Boiler Rule
In April 2010, the EPA issued a proposed rule that would set MACT standards for hazardous air pollutants from industrial boilers. The proposed rule would establish emission limits for GMO's new and existing units that produce steam other than for the generation of electricity. This proposed rule does not apply to GMO's electricity generating boilers, but would apply to most of GMO's Lake Road boilers, which also serve steam customers, and to auxiliary boilers at other generating facilities. Until a rule is finalized, the financial and operational impacts to GMO cannot be determined.

New Source Review
The Clean Air Act requires companies to obtain permits and, if necessary, install control equipment to reduce emissions when making a major modification or a change in operation if either is expected to cause a significant net increase in regulated emissions.

In January 2004, Westar received notification from the EPA alleging that it had violated new source review requirements and Kansas environmental regulations by making modifications to the Jeffrey Energy Center without obtaining the proper permits. The Jeffrey Energy Center consists of three coal-fired units located in Kansas that is 92% owned by Westar and operated exclusively by Westar. GMO has an 8% interest in the Jeffrey Energy Center and is generally responsible for its 8% share of the facility's operating costs and capital expenditures. In February 2009, the Attorney General of the United States filed a complaint against Westar alleging that it violated the Clean Air Act and related federal and state regulations by making major modifications to the Jeffrey Energy Center beginning in 1994 without first obtaining appropriate permits authorizing this construction and without installing and operating best available control technology to control emissions. In January 2010, Westar entered into a settlement agreement, which was approved by the court in March 2010. The settlement agreement requires, among other things, the installation of a selective catalytic reduction (SCR) system at one of the Jeffrey Energy Center units by the end of 2014 and the payment of a $3 million civil penalty.

Westar has preliminarily estimated the cost of this SCR at approximately $200 million. This amount could materially change depending on final engineering and design. Depending on the NO_x emission reductions attained by that SCR and attainable through the installation of other controls at the other two units, the settlement agreement requires the installation of a second SCR system on one of the other two units by the end of 2016. There is no assurance that GMO's share of these costs would be recovered in rates and failure to recover such costs could have a significant adverse effect on GMO's results of operations, financial position and cash flows.

Climate Change
GMO is subject to existing greenhouse gas reporting regulations and, as discussed below, will be subject to certain greenhouse gas permitting requirements starting in 2011. Management believes it is likely that additional federal or relevant state or local laws or regulations could be enacted to address global climate change. At the international level, while the United States is not a current party to the Kyoto Protocol, it has agreed to undertake certain voluntary actions under the non-binding Copenhagen Accord, including the establishment of a goal to reduce greenhouse gas emissions. International agreements legally binding on the United States may be reached in the future. Such new laws or regulations could mandate new or increased requirements to control or reduce the emission of greenhouse gases, such as CO_2, which are created in the combustion of fossil fuels. GMO's current generation capacity is primarily coal-fired and is estimated to produce about one ton of CO_2 per MWh, or approximately 6 million tons per year.

Laws have recently been passed in Missouri, the state in which GMO's retail electric business operates, setting renewable energy standards, and management believes that national renewable energy standards are also likely. While management believes additional requirements addressing these matters will probably be enacted, the timing, provisions and impact of such requirements, including the cost to obtain and install new equipment to achieve compliance, cannot be reasonably estimated at this time. In addition, certain federal courts have held that state and local governments and private parties have standing to bring climate change tort suits seeking company-specific emission reductions and monetary or other damages. While GMO is not a party to any climate change tort suit, there is no assurance that such suits may not be filed in the future or the outcome if such suits are filed. Such requirements or litigation outcomes could have the potential for a significant financial and operational impact on GMO. GMO would seek recovery of capital costs and expenses for compliance through rate increases; however, there can be no assurance that such rate increases would be granted.

Legislation concerning the reduction of emissions of greenhouse gases, including CO_2, is being considered at the federal and state levels. In June 2009, the U.S. House of Representatives passed the American Clean Energy and Security Act of 2009 (House Bill), which would establish a renewable electricity standard and a greenhouse gas cap and trade program that would require GMO and other affected entities to surrender allowances or offsets for each ton of greenhouse gas emitted, and that would reduce the available quantity of emission allowances over time. It appears unlikely that the U.S. Senate will enact companion legislation in the present Congressional session. Legislation proposed or enacted in the future, however, may include greenhouse gas reduction measures, including those contained in the House Bill. The timing and effects of any such legislation cannot be determined at this time.

In the absence of new Congressional mandates, the EPA is proceeding with the regulation of greenhouse gases under the existing Clean Air Act. In April 2010, the EPA finalized greenhouse gas emission standards for light-duty vehicles. These are the first-ever national greenhouse gas emission standards under the Clean Air Act.

In March 2010, the EPA completed its reconsideration of the 2008 interpretative memorandum that addressed when the Clean Air Act Federal Prevention of Significant Deterioration (PSD) program would cover a pollutant, including greenhouse gases such as CO_2. The EPA affirmed the interpretative memorandum's position that PSD permitting applicability for stationary sources such as GMO's generating facilities is not triggered for a pollutant such as CO_2 until a final nationwide rule requires actual control of emissions of the pollutant. The EPA interprets that PSD permitting requirements are triggered when the control requirement of the nationwide rule takes effect. The EPA further explained that occurs when the first national rule regulating greenhouse gas takes effect. The rule limiting greenhouse gas emissions for light-duty vehicles will trigger these requirements in January 2011, the earliest date that 2012 vehicles meeting the standards can be sold in the United States.

In May 2010, the EPA issued a final rule addressing greenhouse gas emissions from stationary sources under the Clean Air Act permitting programs. This final rule sets thresholds for GHG emissions that define when permits under the PSD and Title V Operating Permit programs are required for new and existing industrial facilities. The EPA will phase in the Clean Air Act permitting requirements for greenhouse gas emissions in two initial steps. In step 1, starting January 2, 2011, only sources currently subject to the PSD permitting program (i.e., those that are newly-constructed or modified in a way that significantly increases emissions of a pollutant other than greenhouse gas) would be subject to Title V or PSD permitting requirements, respectively, for their greenhouse gas emissions. For these projects, only projects with new or increases of greenhouse gas emissions of 75,000 tons per year or more of total greenhouse gases, on a CO_2 equivalent basis, would need to determine the best available control technology for their greenhouse gas emissions. In addition, sources subject to the Title V Operating Permit Program would need to address greenhouse gas emissions as those permits are applied for or renewed. In step 2, starting July 1, 2011, Title V and PSD permitting requirements will cover, for the first time, new construction projects that emit greenhouse gas emissions of at least 100,000 tons per year even if they do not exceed the permitting thresholds for any other pollutant. In addition, modifications at such existing facilities that increase greenhouse gas emissions by at least 75,000 tons per year will be subject to permitting requirements, even if they do not significantly increase emissions of any other pollutant. GMO's generating facilities that trigger these thresholds for new installations, modifications or Title V operating permits will be subject to this rule.

At the state level, a Missouri law enacted in November 2008 requires at least 2% of the electricity provided by Missouri investor-owned utilities (including GMO) to their Missouri retail customers to come from renewable resources, including wind, solar, biomass and hydropower, by 2011, increasing to 5% in 2014, 10% in 2018, and 15% in 2021, with a small portion (estimated to be about 2MW in 2011 for GMO) required to come from solar resources. GMO issued a request for proposals for solar resources, and is evaluating the responses. Regulations implementing these laws are being drafted by the MPSC and the ultimate impact on GMO cannot be reasonably estimated at this time. However, other than acquiring solar resources for 2011, GMO projects that current renewable resources will be sufficient for compliance with the Missouri requirements through 2013.

Greenhouse gas legislation or regulation has the potential of having significant financial and operational impacts on GMO, including the potential costs and impacts of achieving compliance with limits that may be established. However, the ultimate financial and operational consequences to GMO cannot be determined until such legislation is passed, regulations are issued or, with respect to those regulations are issued, additional guidance is provided. Management will continue to monitor the progress of relevant legislation and regulations.

Ozone NAAQS
In June 2007, monitor data indicated that the Kansas City area violated the 1997 primary eight-hour ozone national ambient air quality standard (NAAQS). Missouri has implemented the responses established in the maintenance plans for control of ozone. The response does not require additional controls at GMO's generation facilities beyond the currently proposed controls for CAIR and BART. The EPA has various options over and above the implementation of the maintenance plans for control of ozone to address the violation but has not yet

acted. At this time, management is unable to predict how the EPA will respond or how that response will impact GMO's operations. However, the EPA's response could have a significant effect on GMO's results of operations, financial position and cash flows.

In March 2008, the EPA significantly strengthened its NAAQS for ground-level ozone. The EPA revised the primary eight-hour ozone standard, designed to protect public health, to a level of 0.075 parts per million (ppm). The EPA also strengthened the secondary eight-hour ozone standard to the level of 0.075 ppm making it identical to the revised primary standard. The previous primary and secondary standards, set in 1997, were effectively 0.084 ppm.

In March 2009, the MDNR and Kansas Department of Health and Environment (KDHE) submitted to the EPA their determinations that the Kansas City area is a nonattainment area under the 2008 primary eight-hour ozone standard. The EPA will make final designations of attainment and nonattainment areas. By 2013, states must submit state implementation plans outlining how states will reduce ozone to meet the standards in nonattainment areas. Although the impact on GMO's operations will not be known until after the final nonattainment designations and the state implementation plans are submitted, it could have a significant effect on GMO's results of operations, financial position and cash flows.

In January 2010, the EPA proposed to reconsider and further strengthen the 2008 NAAQS for ground-level ozone. The EPA proposed to strengthen the primary eight-hour ozone standard to a level within the range of 0.060-0.070 ppm. The EPA also proposed to establish a distinct cumulative, seasonal secondary standard, designed to protect sensitive vegetation and ecosystems, to within the range of 7-15 ppm-hours.

SO_2 NAAQS

In June 2010, the EPA strengthened the primary NAAQS for SO_2. The EPA revised the primary SO_2 standard by establishing a new 1-hour standard at a level of 0.075 ppm. The EPA revoked the two existing primary standards of 0.140 ppm evaluated over 24-hours and 0.030 ppm evaluated over an entire year. Although the impact on GMO's operations will not be known until after the nonattainment designations are approved and the state implementation plans submitted, it could have a significant effect on GMO's results of operations, financial position and cash flows.

Water

The Clean Water Act and associated regulations enacted by the EPA form a comprehensive program to preserve water quality. Like the Clean Air Act, states are required to establish regulations and programs to address all requirements of the Clean Water Act, and have the flexibility to enact more stringent requirements. All of GMO's generating facilities, and certain of their other facilities, are subject to the Clean Water Act.

Section 316(b) of the Clean Water Act is designed to protect aquatic life from being killed or injured by cooling water intake structures. The EPA had previously issued regulations pursuant to Section 316(b) of the Clean Water Act regarding cooling water intake structures. Subsequent to an appellate court ruling, the EPA suspended the regulations and is engaged in further rulemaking on this matter. At this time, management is unable to predict how the EPA will respond or how that response will impact GMO's operations.

KCP&L holds a permit from the MDNR covering water discharge from its Hawthorn Station. The permit authorizes KCP&L, among other things, to withdraw water from the Missouri river for cooling purposes and return the heated water to the Missouri river. KCP&L has applied for a renewal of this permit and the EPA has submitted an interim objection letter regarding the allowable amount of heat that can be contained in the returned water. Until this matter is resolved, KCP&L continues to operate under its current permit. KCP&L cannot predict the outcome of this matter; however, while less significant outcomes are possible, this matter may require KCP&L to reduce its generation at Hawthorn Station, install cooling towers or both, any of which could have a significant impact on KCP&L. The outcome could also affect the terms of water permit renewals at KCP&L's Iatan Station and at GMO's Sibley and Lake Road Stations.

Additionally, in September 2009, the EPA announced plans to revise the existing standards for water discharges from coal-fired power plants. Until a rule is proposed and finalized, the financial and operational impacts to GMO cannot be determined.

Solid Waste

Solid and hazardous waste generation, storage, transportation, treatment and disposal is regulated at the federal and state levels under various laws and regulations. In May 2010, the EPA proposed to regulate coal combustion residuals (CCRs) under the Resource Conservation and Recovery Act (RCRA) to address the risks from the disposal of CCRs generated from the combustion of coal at electric generating facilities. The EPA is considering two options in this proposal. Under the first proposal, the EPA would regulate CCRs as special wastes subject to regulation under subtitle C of RCRA, when they are destined for disposal in landfills or surface impoundments. Under the second proposal, the EPA would regulate disposal of CCRs under subtitle D of RCRA. The Company principally uses coal in generating electricity and disposes of the combustion products in both on-site facilities and facilities owned by third parties. The proposed CCR rule has the potential of having a significant financial and operational impact on GMO in connection with achieving compliance with the proposed requirements. However, the financial and operational consequences to GMO cannot be determined until an option is selected by the EPA and the final regulation is enacted.

Remediation

Certain federal and state laws, including the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) hold current and previous owners or operators of real property, and any person who arranges for the disposal or treatment of hazardous substances at a property, liable on a joint and several basis for the costs of cleaning up contamination at or migrating from such real property, even if they did not know of and were not responsible for such contamination. CERCLA and other laws also authorize the EPA and other agencies to issue orders compelling potentially responsible parties to clean up sites that are determined to present an actual or potential threat to human health or the environment. GMO is named as a potentially responsible party at two disposal sites for polychlorinated biphenyls (PCBs), and retains some environmental liability for several operations and investments it no longer owns. In addition, GMO also owns, or has acquired liabilities from companies that once owned or operated, former manufactured gas plant (MGP) sites, which are subject to the supervision of the EPA and various state environmental agencies.

At June 30, 2010, GMO had $2.0 million accrued for the future investigation and remediation of certain identified MGP sites, PCB sites and retained liabilities. This estimate was based upon review of the potential costs associated with conducting investigative and remedial actions at identified sites, as well as the likelihood of whether such actions will be necessary. This estimate could change materially after further investigation, and could also be affected by the actions of environmental agencies and the financial viability of other potentially responsible parties.

GMO has pursued recovery of remediation costs from insurance carriers and other potentially responsible parties. As a result of a settlement with an insurance carrier, approximately $2.2 million in insurance proceeds less an annual deductible is available to GMO to recover qualified MGP remediation expenses. GMO would seek recovery of additional remediation costs and expenses through rate increases; however, there can be no assurance that such rate increases would be granted.

In January 2010, the EPA announced an advance notice of proposed rulemaking under CERCLA identifying classes of facilities for which the EPA will develop financial assurance requirements, including the electric power generation, transmission and distribution industry. The CERCLA financial assurance would be for risks associated with GMO's production, transportation, treatment, storage or disposal of CERCLA hazardous substances. The impact on GMO cannot be determined until the regulations are finalized.

In April 2010, the EPA announced an advance notice of proposed rulemaking for the use and distribution in commerce of certain PCBs, PCB items and certain other areas of the PCB regulations. The EPA is reassessing the use, distribution in commerce, marking, and storage for reuse of liquid PCBs in electric and non-electric equipment and the use of the 50 ppm level for excluded PCB products among other things. The impact on GMO cannot be determined until the regulations are finalized.

8. LEGAL PROCEEDINGS

GMO Price Reporting Litigation

In response to complaints of manipulation of the California energy market, in 2002 FERC issued an order requiring net sellers of power in the California markets from October 2, 2000, through June 20, 2001, at prices above a FERC determined competitive market clearing price to make refunds to net purchasers of power in the California market during that time period. Because MPS Merchant Services, Inc., (MPS Merchant) was a net purchaser of power during the refund period it has received approximately $8 million in refunds through settlements with certain sellers of power. MPS Merchant estimates that it is entitled to approximately $12 million in additional refunds under the standards FERC has used in this case. FERC has stated that interest will be applied to the refunds but the amount of interest has not yet been determined. However, various parties appealed the FERC order to the United States Court of Appeals for the Ninth Circuit seeking review of a number of issues, including changing the refund period to include periods prior to October 2, 2000. MPS Merchant was a net seller of power during the period prior to October 2, 2000. On August 2, 2006, the U.S. Court of Appeals for the Ninth Circuit issued an order finding, among other things, that FERC did not provide a sufficient justification for refusing to exercise its remedial authority under the Federal Power Act to determine whether market participants violated FERC-approved tariffs during the period prior to October 2, 2000, and imposing a remedy for any such violations. The court remanded the matter to FERC to determine whether tariff violations occurred and, if so, the appropriate remedy. In March 2008, FERC issued an order declining to order refunds for the period prior to October 2, 2000. That order has been appealed to the U.S. Court of Appeals for the Ninth Circuit. If FERC ultimately includes the period prior to October 2, 2000, MPS Merchant could be found to owe refunds.

FERC initiated a separate docket, generally referred to as the Pacific Northwest refund proceeding, to determine if any refunds were warranted related to the potential impact of the California market issues on buyers in the Pacific Northwest between December 25, 2000, and June 20, 2001. FERC rejected the refund requests, but its decision was remanded by the Court of Appeals for FERC to consider whether any acts of market manipulation support the imposition of refunds. Claims against MPS Merchant total $5.1 million for the period addressed under the Pacific Northwest refund proceedings.

In October 2006, the MPSC filed suit in the Circuit Court of Jackson County, Missouri against 18 companies, including GMO and MPS Merchant alleging that the companies manipulated natural gas prices through the misreporting of natural gas trade data and, therefore, violated Missouri antitrust laws. The suit does not specify alleged damages and was filed on behalf of all local distribution gas companies in Missouri who bought and sold natural gas from June 2000 to October 2002. The defendants' motions to dismiss the case were granted in January 2009. The MPSC has appealed the dismissal to the Missouri Court of Appeals for the Western District of Missouri. In December 2009, the court affirmed the dismissal and the MPSC filed a request for rehearing or, in the alternative, transfer to the Missouri Supreme Court. The Supreme Court accepted the transfer in April 2010.

The ultimate outcome of these matters cannot be predicted.

9. RELATED PARTY TRANSACTIONS AND RELATIONSHIPS

GMO has no employees of its own. KCP&L employees manage GMO's business and operate its facilities at cost. These costs totaled $20.1 million and $47.2 million, respectively, for the three months ended and year to date June 30, 2010. These costs totaled $25.6 million and $50.6 million, respectively, for the same periods in 2009. Additionally, KCP&L and GMO engage in wholesale electricity transactions with each other. GMO is also authorized to participate in the Great Plains Energy money pool, an internal financing arrangement in which funds may be lent on a short-term basis to GMO. At June 30, 2010, GMO had a $1.7 million net receivable from KCP&L. At December 31, 2009, GMO had a $26.4 million net payable to KCP&L.

10. DERIVATIVE INSTRUMENTS

The Company is exposed to a variety of market risks including commodity prices. Management has established risk management policies and strategies to reduce the potentially adverse effects that the volatility of the markets may have on the Company's operating results. Commodity risk management activities, including the use of certain derivative instruments, are subject to the management, direction and control of an internal risk management committee. Management maintains commodity price risk management strategies that use derivative instruments to reduce the effects of fluctuations in fuel expense caused by commodity price volatility. Counterparties to commodity derivatives expose the Company to credit loss in the event of nonperformance. This credit loss is limited to the cost of replacing these contracts at current market rates. Derivative instruments, excluding those instruments that qualify for the normal purchase normal sale election, which are accounted for by accrual accounting, are recorded on the balance sheet at fair value as an asset or liability. Changes in the fair value of derivative instruments are recorded to a regulatory asset or liability consistent with MPSC regulatory orders, as discussed below.

The Company posts collateral, in the normal course of business, for the aggregate fair value of all derivative instruments with credit risk-related contingent features that are in a liability position. If the credit risk-related contingent features underlying these agreements were triggered, GMO would be required to post an insignificant amount of collateral to its counterparties.

The Wall Street Reform and Consumer Protection Act, signed into law in July 2010, includes provisions related to the over-the-counter derivative markets. GMO currently expects that its commodity hedges will be exempt from mandatory clearing and exchange trading requirements. Capital and margin requirements for these hedges are expected to be determined over the next year as regulatory agencies implement rules. While GMO currently does not anticipate this law and the associated regulatory rules to have a material impact on its financial condition, the ultimate impact cannot be reasonably determined until the final rules are issued.

GMO's risk management policy is to use derivative instruments to mitigate exposure to natural gas price volatility in the market. The fair value of the portfolio relates to financial contracts that will settle against actual purchases of natural gas and purchased power. At June 30, 2010, GMO had financial contracts in place to hedge approximately 66%, 31% and less than 1% of the expected on-peak natural gas and natural gas equivalent purchased power price exposure for the remainder of 2010, 2011 and 2012, respectively. In connection with GMO's 2005 Missouri electric rate case, it was agreed that the settlement costs of these contracts would be recognized in fuel expense. The settlement costs are included in GMO's FAC. A regulatory asset has been recorded to reflect the change in the timing of recognition authorized by the MPSC. To the extent that recovery of actual costs incurred is allowed, amounts will not impact earnings, but will impact cash flows due to the timing of the recovery mechanism.

The notional and recorded fair values of open positions for derivative instruments are summarized in the following table. The fair values of these derivatives are recorded on the balance sheets. The fair values below are gross values before netting agreements and netting of cash collateral.

	June 30 2010		December 31 2009	
	Notional Contract Amount	Fair Value	Notional Contract Amount	Fair Value
	(millions)			
Futures contracts				
Non-hedging derivatives	$ 30.8	$ (1.9)	$ 29.8	$ (0.9)

The fair value of GMO's open derivative positions are summarized in the following table. The table contains derivative instruments not designated as hedging instruments (non-hedging derivatives) under GAAP. The fair values below are gross values before netting agreements and netting of cash collateral.

June 30, 2010	Balance Sheet Classification	Asset Derivatives Fair Value	Liability Derivatives Fair Value
Derivatives Not Designated as Hedging Instruments		(millions)	
Commodity contracts	Derivative instruments	$ 0.5	$ 2.4
December 31, 2009			
Derivatives Not Designated as Hedging Instruments			
Commodity contracts	Derivative instruments	$ 0.7	$ 1.6

The following table summarizes the amount of gain (loss) recognized in a regulatory balance sheet account or earnings for GMO utility commodity hedges. GMO utility commodity derivatives fair value changes are recorded to either a regulatory asset or liability consistent with MPSC regulatory orders.

Derivatives in Regulatory Account Relationship	Amount of Gain (Loss) Recognized on Regulatory Account on Derivatives (Effective Portion)	Gain (Loss) Reclassified from Regulatory Account: Income Statement Classification	Gain (Loss) Reclassified from Regulatory Account: Amount
Three Months Ended June 30, 2010	(millions)		(millions)
Commodity contracts	$ 0.4	Fuel	$ (2.1)
Total	$ 0.4	Total	$ (2.1)
Year to Date June 30, 2010			
Commodity contracts	$ (5.9)	Fuel	$ (4.3)
Total	$ (5.9)	Total	$ (4.3)
Three Months Ended June 30, 2009			
Commodity contracts	$ 0.9	Fuel	$ (3.0)
Total	$ 0.9	Total	$ (3.0)
Year to Date June 30, 2009			
Commodity contracts	$ (10.9)	Fuel	$ (6.1)
Total	$ (10.9)	Total	$ (6.1)

11. FAIR VALUE MEASUREMENTS

GAAP defines fair value as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. GAAP establishes a fair value hierarchy, which prioritizes the inputs to valuation techniques used to measure fair value into three broad categories, giving the highest priority to quoted prices in active markets for identical assets or liabilities and lowest priority to unobservable inputs. A definition of the various levels, as well as discussion of the various measurements within the levels, is as follows:

Level 1 – Unadjusted quoted prices for identical assets or liabilities in active markets that GMO has access to at the measurement date. Assets categorized within this level consist of GMO's various exchange traded derivative instruments and equity securities that are actively traded within GMO's SERP rabbi trust fund.

Level 2 – Market-based inputs for assets or liabilities that are observable (either directly or indirectly) or inputs that are not observable but are corroborated by market data. Assets and liabilities categorized within this level consist of debt securities within GMO's SERP rabbi trust fund.

Level 3 – Unobservable inputs, reflecting GMO's own assumptions about the assumptions market participants would use in pricing the asset or liability.

The following tables include GMO's balances of financial assets and liabilities measured at fair value on a recurring basis at June 30, 2010, and December 31, 2009.

Description	June 30 2010	Netting[c]	Fair Value Measurements Using: Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
			(millions)		
Assets					
Derivative instruments [a]	$ -	$ (0.5)	$ 0.5	$ -	$ -
SERP rabbi trust [b]					
Equity securities	0.2	-	0.2	-	-
Debt securities	6.9	-	-	6.9	-
Total SERP rabbi trust	7.1	-	0.2	6.9	-
Total	7.1	(0.5)	0.7	6.9	-
Liabilities					
Derivative instruments [a]	-	(2.4)	2.4	-	-
Total	$ -	$ (2.4)	$ 2.4	$ -	$ -

Description	December 31 2009	Netting[c]	Fair Value Measurements Using: Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
			(millions)		
Assets					
Derivative instruments [a]	$ -	$ (0.7)	$ 0.7	$ -	$ -
SERP rabbi trust [b]					
Equity securities	0.2	-	0.2	-	-
Debt securities	6.9	-	-	6.9	-
Total SERP rabbi trust	7.1	-	0.2	6.9	-
Total	7.1	(0.7)	0.9	6.9	-
Liabilities					
Derivative instruments [a]	-	(1.6)	1.6	-	-
Total	$ -	$ (1.6)	$ 1.6	$ -	$ -

(a) The fair value of derivative instruments is estimated using market quotes, net of estimated credit risk.

(b) Fair value is based on quoted market prices of the investments held by the fund and/or valuation models. The total does not include $15.3 million and $16.2 million at June 30, 2010, and December 31, 2009, respectively, of cash and cash equivalents, which are not subject to the fair value requirements.

(c) Represents the difference between derivative contracts in an asset or liability position presented on a net basis by counterparty on the balance sheet where a master netting agreement exists between the Company and the counterparty. At June 30, 2010, and December 31, 2009, GMO netted $1.9 million and $0.9 million, respectively, of cash collateral posted with counterparties.

12. TAXES

Components of GMO's income tax expense (benefit) are detailed in the following table.

	Three Months Ended June 30		Year to Date June 30	
	2010	2009	2010	2009
Current income taxes	(millions)			
Federal	$ (18.8)	$ (20.2)	$ (32.2)	$ (23.2)
State	(2.0)	(3.2)	(3.6)	(3.7)
Total	(20.8)	(23.4)	(35.8)	(26.9)
Deferred income taxes				
Federal	27.8	23.0	44.9	9.0
State	3.9	4.2	6.2	2.7
Total	31.7	27.2	51.1	11.7
Noncurrent income taxes				
Federal	4.1	-	4.1	-
State	0.5	-	0.5	-
Total	4.6	-	4.6	-
Investment tax credit amortization	(0.2)	(0.2)	(0.4)	(0.4)
Income tax expense (benefit)	$ 15.3	$ 3.6	$ 19.5	$ (15.6)

Income Tax Expense (Benefit) and Effective Income Tax Rates

Income tax expense (benefit) and the effective income tax rates reflected in the financial statements and the reasons for their differences from the statutory federal rates are detailed in the following tables.

	Income Tax Expense		Income Tax Rate	
Three Months Ended June 30	**2010**	**2009**	**2010**	**2009**
	(millions)			
Federal statutory income tax	$ 13.6	$ 4.2	35.0 %	35.0 %
Differences between book and tax depreciation not normalized	(0.5)	(1.1)	(1.3)	(9.5)
Amortization of investment tax credits	(0.2)	(0.2)	(0.5)	(1.7)
State income taxes	1.5	0.6	3.8	5.0
Equity in subsidiaries	-	0.1	-	0.5
Other	0.9	-	2.5	0.7
Total	$ 15.3	$ 3.6	39.5 %	30.0 %

	Income Tax Expense (Benefit)		Income Tax Rate	
Year to Date June 30	**2010**	**2009**	**2010**	**2009**
	(millions)			
Federal statutory income tax	$ 17.8	$ 3.1	35.0 %	35.0 %
Differences between book and tax depreciation not normalized	(1.0)	(2.3)	(2.0)	(25.8)
Amortization of investment tax credits	(0.4)	(0.4)	(0.7)	(4.4)
State income taxes	2.0	0.3	3.8	3.9
Changes in uncertain tax positions, net	-	(72.0)	-	(803.1)
Valuation allowance	-	56.0	-	624.7
Equity in subsidiaries	-	(0.3)	-	(3.8)
Other	1.1	-	2.3	(0.6)
Total	$ 19.5	$ (15.6)	38.4 %	(174.1) %

Uncertain Tax Positions

At June 30, 2010, and December 31, 2009, GMO had $20.0 million and $15.5 million, respectively, of liabilities related to unrecognized tax benefits. Of these amounts, $2.8 million at June 30, 2010 and December 31, 2009, are expected to impact the effective tax rate, if recognized. GMO recognizes interest accrued related to unrecognized tax benefits in interest expense and recognizes penalties related to unrecognized tax benefits in non-operating expenses. Amounts accrued for interest and penalties related to unrecognized tax benefits are insignificant at June 30, 2010, and December 31, 2009.

The following table reflects activity for GMO related to the liability for unrecognized tax benefits.

	June 30 2010	December 31 2009
	(millions)	
Beginning balance	$ 15.5	$ 75.6
Additions for current year tax positions	4.5	8.6
Additions for prior year tax positions	-	5.8
Settlements	-	(74.5)
Ending balance	$ 20.0	$ 15.5

It is reasonably possible that the amount of unrecognized tax benefits will change significantly within the next twelve months.

13. SEGMENTS AND RELATED INFORMATION

GMO has only one reportable segment, Electric Utility. Other includes unallocated corporate charges, non-regulated operations and equity in earnings (losses) of subsidiaries. The following tables reflect summarized financial information concerning GMO’s reportable segment.

Three Months Ended June 30, 2010	**Electric Utility**	**Other**	**Total GMO**
		(millions)	
Operating revenues	$ 179.4	$ -	$ 179.4
Depreciation and amortization	(18.7)	-	(18.7)
Interest charges	(14.4)	-	(14.4)
Income tax (expense) benefit	(15.4)	0.1	(15.3)
Net income	23.5	0.1	23.6

Year to Date June 30, 2010	**Electric Utility**	**Other**	**Total GMO**
		(millions)	
Operating revenues	$ 350.7	$ -	$ 350.7
Depreciation and amortization	(37.4)	-	(37.4)
Interest charges	(28.9)	-	(28.9)
Income tax expense	(19.4)	(0.1)	(19.5)
Net income	29.2	2.2	31.4

Three Months Ended June 30, 2009	**Electric Utility**	**Other**	**Total GMO**
		(millions)	
Operating revenues	$ 155.6	$ -	$ 155.6
Depreciation and amortization	(18.4)	-	(18.4)
Interest charges	(17.6)	0.2	(17.4)
Income tax expense	(3.1)	(0.5)	(3.6)
Net income	7.9	0.5	8.4

Year to Date June 30, 2009	**Electric Utility**	**Other**	**Total GMO**
		(millions)	
Operating revenues	$ 297.3	$ -	$ 297.3
Depreciation and amortization	(35.7)	-	(35.7)
Interest charges	(34.7)	(0.5)	(35.2)
Income tax benefit	0.1	15.5	15.6
Net income	6.9	17.7	24.6

STATEMENTS OF ACCUMULATED COMPREHENSIVE INCOME, COMPREHENSIVE INCOME, AND HEDGING ACTIVITIES

1. Report in columns (b),(c),(d) and (e) the amounts of accumulated other comprehensive income items, on a net-of-tax basis, where appropriate.
2. Report in columns (f) and (g) the amounts of other categories of other cash flow hedges.
3. For each category of hedges that have been accounted for as "fair value hedges", report the accounts affected and the related amounts in a footnote.
4. Report data on a year-to-date basis.

Line No.	Item (a)	Unrealized Gains and Losses on Available-for-Sale Securities (b)	Minimum Pension Liability adjustment (net amount) (c)	Foreign Currency Hedges (d)	Other Adjustments (e)
1	Balance of Account 219 at Beginning of Preceding Year				(4,123,841)
2	Preceding Qtr/Yr to Date Reclassifications from Acct 219 to Net Income				154,686
3	Preceding Quarter/Year to Date Changes in Fair Value				
4	Total (lines 2 and 3)				154,686
5	Balance of Account 219 at End of Preceding Quarter/Year				(3,969,155)
6	Balance of Account 219 at Beginning of Current Year				(809,276)
7	Current Qtr/Yr to Date Reclassifications from Acct 219 to Net Income				103,305
8	Current Quarter/Year to Date Changes in Fair Value				
9	Total (lines 7 and 8)				103,305
10	Balance of Account 219 at End of Current Quarter/Year				(705,971)

STATEMENTS OF ACCUMULATED COMPREHENSIVE INCOME, COMPREHENSIVE INCOME, AND HEDGING ACTIVITIES

Line No.	Other Cash Flow Hedges Interest Rate Swaps (f)	Other Cash Flow Hedges [Specify] (g)	Totals for each category of items recorded in Account 219 (h)	Net Income (Carried Forward from Page 117, Line 78) (i)	Total Comprehensive Income (j)
1			(4,123,841)	[redacted]	[redacted]
2			154,686	[redacted]	[redacted]
3				[redacted]	[redacted]
4			154,686	24,576,721	24,731,407
5			(3,969,155)	[redacted]	[redacted]
6			(809,276)	[redacted]	[redacted]
7			103,305	[redacted]	[redacted]
8				[redacted]	[redacted]
9			103,305	31,363,089	31,466,394
10			(705,971)	[redacted]	[redacted]

Schedule Page: 122(a)(b) Line No.: 10 Column: e

Under ASC 715 "Compensation-Retirement Benefits," unamortized prior service costs and gains/losses for the pension and other post-retirement plans are recorded to accumulated other comprehensive income.

Name of Respondent	This Report Is:	Date of Report (Mo, Da, Yr)	Year/Period of Report
KCP&L Greater Missouri Operations Company	(1) [X] An Original (2) [ ] A Resubmission	08/30/2010	End of 2010/Q2

SUMMARY OF UTILITY PLANT AND ACCUMULATED PROVISIONS FOR DEPRECIATION. AMORTIZATION AND DEPLETION

Report in Column (c) the amount for electric function, in column (d) the amount for gas function, in column (e), (f), and (g) report other (specify) and in column (h) common function.

Line No.	Classification (a)	Total Company for the Current Year/Quarter Ended (b)	Electric (c)
1	Utility Plant		
2	In Service		
3	Plant in Service (Classified)	2,059,808,924	2,059,808,924
4	Property Under Capital Leases	271,030,743	271,030,743
5	Plant Purchased or Sold		
6	Completed Construction not Classified	296,341,765	296,341,765
7	Experimental Plant Unclassified		
8	Total (3 thru 7)	2,627,181,432	2,627,181,432
9	Leased to Others		
10	Held for Future Use	1,987,171	1,987,171
11	Construction Work in Progress	394,221,462	394,221,462
12	Acquisition Adjustments		
13	Total Utility Plant (8 thru 12)	3,023,390,065	3,023,390,065
14	Accum Prov for Depr, Amort, & Depl	967,488,900	967,488,900
15	Net Utility Plant (13 less 14)	2,055,901,165	2,055,901,165
16	Detail of Accum Prov for Depr, Amort & Depl		
17	In Service:		
18	Depreciation	959,801,630	959,801,630
19	Amort & Depl of Producing Nat Gas Land/Land Right		
20	Amort of Underground Storage Land/Land Rights		
21	Amort of Other Utility Plant	7,687,270	7,687,270
22	Total In Service (18 thru 21)	967,488,900	967,488,900
23	Leased to Others		
24	Depreciation		
25	Amortization and Depletion		
26	Total Leased to Others (24 & 25)		
27	Held for Future Use		
28	Depreciation		
29	Amortization		
30	Total Held for Future Use (28 & 29)		
31	Abandonment of Leases (Natural Gas)		
32	Amort of Plant Acquisition Adj		
33	Total Accum Prov (equals 14) (22,26,30,31,32)	967,488,900	967,488,900

SUMMARY OF UTILITY PLANT AND ACCUMULATED PROVISIONS
FOR DEPRECIATION. AMORTIZATION AND DEPLETION

Gas (d)	Other (Specify) (e)	Other (Specify) (f)	Other (Specify) (g)	Common (h)	Line No.
					1
					2
					3
					4
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					33

Name of Respondent	This Report Is:	Date of Report (Mo, Da, Yr)	Year/Period of Report
KCP&L Greater Missouri Operations Company	(1) [X] An Original (2) [ ] A Resubmission	08/30/2010	End of 2010/Q2

ELECTRIC PLANT IN SERVICE AND ACCUMULATED PROVISION FOR DEPRECIATION BY FUNCTION

1. Report below the original cost of plant in service by function. In addition to Account 101, include Account 102, and Account 106. Report in column (b) the original cost of plant in service and in column(c) the accumulated provision for depreciation and amortization by function.

Line No.	Item (a)	Plant in Service Balance at End of Quarter (b)	Accumulated Depreciation and Amortization Balance at End of Quarter (c)
1	Intangible Plant	23,343,608	4,297,247
2	Steam Production Plant	830,795,828	331,552,267
3	Nuclear Production Plant		
4	Hydraulic Production - Conventional		
5	Hydraulic Production - Pumped Storage		
6	Other Production	330,523,624	96,120,888
7	Transmission	294,275,506	105,328,810
8	Distribution	1,017,983,057	396,629,189
9	Regional Transmission and Market Operation		
10	General	130,259,809	33,560,499
11	TOTAL (Total of lines 1 through 10)	2,627,181,432	967,488,900

Name of Respondent	This Report Is:	Date of Report (Mo, Da, Yr)	Year/Period of Report
KCP&L Greater Missouri Operations Company	(1) [X] An Original (2) [ ] A Resubmission	08/30/2010	End of 2010/Q2

Transmission Service and Generation Interconnection Study Costs

1. Report the particulars (details) called for concerning the costs incurred and the reimbursements received for performing transmission service and generator interconnection studies.
2. List each study separately.
3. In column (a) provide the name of the study.
4. In column (b) report the cost incurred to perform the study at the end of period.
5. In column (c) report the account charged with the cost of the study.
6. In column (d) report the amounts received for reimbursement of the study costs at end of period.
7. In column (e) report the account credited with the reimbursement received for performing the study.

Line No.	Description (a)	Costs Incurred During Period (b)	Account Charged (c)	Reimbursements Received During the Period (d)	Account Credited With Reimbursement (e)
1	**Transmission Studies**				
2	None				
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21	**Generation Studies**				
22	Facility Study-SPP Gen-2007-053	870	186100	870	186100
23	Facility Study-SPP Gen-2008-129	1,725	186100	1,725	186100
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					

Schedule Page: 231 Line No.: 22 Column: d

Reimbursement received first quarter 2010.

Schedule Page: 231 Line No.: 23 Column: d

Reimbursement received second quarter 2010.

Name of Respondent	This Report Is:	Date of Report (Mo, Da, Yr)	Year/Period of Report
KCP&L Greater Missouri Operations Company	(1) [X] An Original (2) [ ] A Resubmission	08/30/2010	End of 2010/Q2

OTHER REGULATORY ASSETS (Account 182.3)

1. Report below the particulars (details) called for concerning other regulatory assets, including rate order docket number, if applicable.
2. Minor items (5% of the Balance in Account 182.3 at end of period, or amounts less than $100,000 which ever is less), may be grouped by classes.
3. For Regulatory Assets being amortized, show period of amortization.

Line No.	Description and Purpose of Other Regulatory Assets (a)	Balance at Beginning of Current Quarter/Year (b)	Debits (c)	CREDITS Written off During the Quarter/Year Account Charged (d)	CREDITS Written off During the Period Amount (e)	Balance at end of Current Quarter/Year (f)
1	Jeffrey Energy Center Common Plant - Land and Other					
2	Amortize 27.5 years 06/1984 - 12/2011	115,028		426	16,432	98,596
3						
4						
5	Costs Deferred Under Electric 1989 AAO					
6	Sibley Rebuild and Western Coal Conversion					
7	Amortize 20 years 10/1990 - 10/2010	139,817		various	50,625	89,192
8						
9						
10	Costs Deferred Under Electric 1992 AAO					
11	Sibley Rebuild and Western Coal Conversion					
12	Amortize 20 years 07/1993 - 06/2013	476,254		various	36,639	439,615
13						
14						
15	Missouri Case No. ER-2007-0004:					
16	Deferred costs associated with the 2007					
17	electric rate case preparation and presentation					
18	to the Missouri Public Service Commission to be					
19	amortized for 3 years beginning June 1, 2007.	36,129		928	36,129	
20						
21						
22	Acctg. for Income Taxes - ASC 740 Impact on					
23	Rate Regulated Enterprises	25,449,298	1,511,376			26,960,674
24						
25						
26	Asset Retirement Obligations - ASC 410	12,147,916	213,491			12,361,407
27						
28						
29	Mark to Market Hedge	6,176,059		various	2,567,950	3,608,109
30						
31						
32	L&P Merger Transition Costs					
33	Amortize 10 years 03/2006 - 02/2016	2,934,467		920, 926	123,992	2,810,475
34						
35						
36	Pension & OPEB costs deferred in accordance with					
37	Missouri Case No. ER-2009-0090	87,227,963	9,250,407	various	556,128	95,922,242
38						
39						
40	Missouri Case Nos. ER-2009-0089 and HR-2009-0092:					
41	MPS and L&P electric Fuel Adjustment Clause &					
42	L&P Steam Quarterly Cost Adjustment.	48,142,994		various	4,456,384	43,686,610
43						
44	TOTAL	222,056,949	14,530,563		8,330,011	228,257,501

OTHER REGULATORY ASSETS (Account 182.3)

1. Report below the particulars (details) called for concerning other regulatory assets, including rate order docket number, if applicable.
2. Minor items (5% of the Balance in Account 182.3 at end of period, or amounts less than $100,000 which ever is less), may be grouped by classes.
3. For Regulatory Assets being amortized, show period of amortization.

Line No.	Description and Purpose of Other Regulatory Assets (a)	Balance at Beginning of Current Quarter/Year (b)	Debits (c)	CREDITS Written off During the Quarter/Year Account Charged (d)	CREDITS Written off During the Period Amount (e)	Balance at end of Current Quarter/Year (f)
1	Missouri Case No. EU-2008-0233:					
2	Deferred costs associated with L&P ice storm damage					
3	to be amortized over 5 years beginning					
4	January 1, 2008	4,370,950		405	397,359	3,973,591
5						
6						
7	Missouri Case No. ER-2009-0090:					
8	Deferred costs associated with the 2008					
9	electric rate case preparation and presentation					
10	to the Missouri Public Service Commission to be					
11	amortized over 2 years beginning September 1, 2009	331,651		928	58,527	273,124
12						
13						
14	Missouri Case No. EM-2007-0374:					
15	Missouri jurisdictional transition costs for Great					
16	Plains Energy's acquisition of Aquila	22,377,123	55,898			22,433,021
17						
18						
19	Missouri Case No. ER-2007-0374:					
20	Represents the deferred costs for the energy					
21	efficiency and affordability programs. Each					
22	vintage will be amortized over 10 years.	8,694,627	2,194,602	908	29,846	10,859,383
23						
24						
25	Missouri Case No. ER-2009-0090:					
26	Missouri jurisdictional difference between allowed					
27	rate base and financial costs booked for Iatan 1					
28	and Iatan Common	2,052,931	675,279			2,728,210
29						
30						
31	Missouri Case No. ER-2010-0355:					
32	Deferred costs associated with the 2010					
33	rate case preparation and presentation to the					
34	Missouri Public Service Commission	1,323,829	587,198			1,911,027
35						
36						
37	Missouri Case No. ER-2009-0090:					
38	Deferred 50% cost of the Economic Relief Pilot					
39	Program until the next general rate case, with					
40	cost recovery determined at that time	59,913	42,312			102,225
41						
42						
43						
44	TOTAL	222,056,949	14,530,563		8,330,011	228,257,501

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KCP&L Greater Missouri Operations Company	(1) [X] An Original (2) [ ] A Resubmission	08/30/2010	End of 2010/Q2

OTHER REGULATORY LIABILITIES (Account 254)

1. Report below the particulars (details) called for concerning other regulatory liabilities, including rate order docket number, if applicable.
2. Minor items (5% of the Balance in Account 254 at end of period, or amounts less than $100,000 which ever is less), may be grouped by classes.
3. For Regulatory Liabilities being amortized, show period of amortization.

Line No.	Description and Purpose of Other Regulatory Liabilities	Balance at Begining of Current Quarter/Year	DEBITS		Credits	Balance at End of Current Quarter/Year
			Account Credited	Amount		
	(a)	(b)	(c)	(d)	(e)	(f)
1	Emission Allowance Transactions per					
2	MO Case No. ER-2007-0004	746,126	509	72,051	2,571	676,646
3						
4	Deferred Maintenance	12,818,013	various	1,038,929	1,582,773	13,361,857
5						
6	Pension Liabilities in accordance with					
7	MO Case No. ER-2009-0090	33,768,067	various	1,141,902	868,310	33,494,475
8						
9	Deferred Regulatory Liability-ASC 740	2,571,744	various			2,571,744
10						
11	L&P Steam Quarterly Cost Adjustment					
12	per MO Case No. HR-2009-0092	1,138,763	456		212,628	1,351,391
13						
14						
15						
16						
17						
18						
19						
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40						
41	TOTAL	51,042,713		2,252,882	2,666,282	51,456,113

Schedule Page: 278 Line No.: 9 Column: a

Excess taxes due to change in tax rates	$2.3 Million
Investment tax credits	$0.3 Million
Total	$2.6 Million

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KCP&L Greater Missouri Operations Company	(1) [X] An Original (2) [ ] A Resubmission	08/30/2010	End of 2010/Q2

ELECTRIC OPERATING REVENUES (Account 400)

1. The following instructions generally apply to the annual version of these pages. Do not report quarterly data in columns (c), (e), (f), and (g). Unbilled revenues and MWH related to unbilled revenues need not be reported separately as required in the annual version of these pages.
2. Report below operating revenues for each prescribed account, and manufactured gas revenues in total.
3. Report number of customers, columns (f) and (g), on the basis of meters, in addition to the number of flat rate accounts; except that where separate meter readings are added for billing purposes, one customer should be counted for each group of meters added. The -average number of customers means the average of twelve figures at the close of each month.
4. If increases or decreases from previous period (columns (c),(e), and (g)), are not derived from previously reported figures, explain any inconsistencies in a footnote.
5. Disclose amounts of $250,000 or greater in a footnote for accounts 451, 456, and 457.2.

Line No.	Title of Account (a)	Operating Revenues Year to Date Quarterly/Annual (b)	Operating Revenues Previous year (no Quarterly) (c)
1	Sales of Electricity		
2	(440) Residential Sales	171,119,603	
3	(442) Commercial and Industrial Sales		
4	Small (or Comm.) (See Instr. 4)	117,821,340	
5	Large (or Ind.) (See Instr. 4)	36,446,204	
6	(444) Public Street and Highway Lighting	3,109,810	
7	(445) Other Sales to Public Authorities		
8	(446) Sales to Railroads and Railways		
9	(448) Interdepartmental Sales		
10	TOTAL Sales to Ultimate Consumers	328,496,957	
11	(447) Sales for Resale	8,885,164	
12	TOTAL Sales of Electricity	337,382,121	
13	(Less) (449.1) Provision for Rate Refunds		
14	TOTAL Revenues Net of Prov. for Refunds	337,382,121	
15	Other Operating Revenues		
16	(450) Forfeited Discounts	328,226	
17	(451) Miscellaneous Service Revenues	404,635	
18	(453) Sales of Water and Water Power		
19	(454) Rent from Electric Property	621,694	
20	(455) Interdepartmental Rents		
21	(456) Other Electric Revenues	9,325,508	
22	(456.1) Revenues from Transmission of Electricity of Others	2,615,128	
23	(457.1) Regional Control Service Revenues		
24	(457.2) Miscellaneous Revenues		
25			
26	TOTAL Other Operating Revenues	13,295,191	
27	TOTAL Electric Operating Revenues	350,677,312	

Name of Respondent	This Report Is:	Date of Report (Mo, Da, Yr)	Year/Period of Report
KCP&L Greater Missouri Operations Company	(1) [X] An Original (2) [ ] A Resubmission	08/30/2010	End of 2010/Q2

ELECTRIC OPERATING REVENUES (Account 400)

6. Commercial and industrial Sales, Account 442, may be classified according to the basis of classification (Small or Commercial, and Large or Industrial) regularly used by the respondent if such basis of classification is not generally greater than 1000 Kw of demand. (See Account 442 of the Uniform System of Accounts. Explain basis of classification in a footnote.)
7. See pages 108-109, Important Changes During Period, for important new territory added and important rate increase or decreases.
8. For Lines 2,4,5,and 6, see Page 304 for amounts relating to unbilled revenue by accounts.
9. Include unmetered sales. Provide details of such Sales in a footnote.

MEGAWATT HOURS SOLD		AVG.NO. CUSTOMERS PER MONTH		Line No.
Year to Date Quarterly/Annual (d)	Amount Previous year (no Quarterly) (e)	Current Year (no Quarterly) (f)	Previous Year (no Quarterly) (g)	
				1
				2
				3
1,821,339				4
1,579,721				5
653,315				6
14,401				7
				8
				9
4,068,776				10
229,300				11
4,298,076				12
				13
4,298,076				14

Line 12, column (b) includes $ 0 of unbilled revenues.

Line 12, column (d) includes 0 MWH relating to unbilled revenues

Schedule Page: 300 Line No.: 17 Column: b

Line 17 (451) Miscellaneous Service Revenues: Reconnect Charges $144,470, Collection Fees $80,500, Non-Sufficient Funds Fee $66,640, Diversion Trip Charges $26,719, Temporary Meter Charges $43,200, Excess Facilities $39,704, Miscellaneous $3,402

Schedule Page: 300 Line No.: 21 Column: b

Line 21 (456) Other Electric Revenues: Steam Revenue $9,071,632, Sales Tax Timely Filing Discount $158,031, CFSI Joint Facilities $55,346, Return Ck Service Charges $22,800, Spare Transformer Revenue $18,318, Miscellaneous $-619

Name of Respondent	This Report Is:	Date of Report (Mo, Da, Yr)	Year/Period of Report
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REGIONAL TRANSMISSION SERVICE REVENUES (Account 457.1)

1. The respondent shall report below the revenue collected for each service (i.e., control area administration, market administration, etc.) performed pursuant to a Commission approved tariff. All amounts separately billed must be detailed below.

Line No.	Description of Service (a)	Balance at End of Quarter 1 (b)	Balance at End of Quarter 2 (c)	Balance at End of Quarter 3 (d)	Balance at End of Year (e)
1	NA				
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
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45					
46	TOTAL				

Name of Respondent	This Report Is:	Date of Report (Mo, Da, Yr)	Year/Period of Report
KCP&L Greater Missouri Operations Company	(1) [X] An Original (2) [ ] A Resubmission	08/30/2010	End of 2010/Q2

ELECTRIC PRODUCTION, OTHER POWER SUPPLY EXPENSES, TRANSMISSION AND DISTRIBUTION EXPENSES

Report Electric production, other power supply expenses, transmission, regional control and market operation, and distribution expenses through the reporting period.

Line No.	Account (a)	Year to Date Quarter (b)
1	1. POWER PRODUCTION AND OTHER SUPPLY EXPENSES	
2	Steam Power Generation - Operation (500-509)	76,684,578
3	Steam Power Generation - Maintenance (510-515)	11,572,261
4	Total Power Production Expenses - Steam Power	88,256,839
5	Nuclear Power Generation - Operation (517-525)	
6	Nuclear Power Generation – Maintenance (528-532)	
7	Total Power Production Expenses - Nuclear Power	
8	Hydraulic Power Generation - Operation (535-540.1)	
9	Hydraulic Power Generation – Maintenance (541-545.1)	
10	Total Power Production Expenses – Hydraulic Power	
11	Other Power Generation - Operation (546-550.1)	9,450,291
12	Other Power Generation - Maintenance (551-554.1)	2,580,651
13	Total Power Production Expenses - Other Power	12,030,942
14	Other Power Supply Expenses	
15	Purchased Power (555)	65,127,382
16	System Control and Load Dispatching (556)	772,421
17	Other Expenses (557)	1,739,664
18	Total Other Power Supply Expenses (line 15-17)	67,639,467
19	Total Power Production Expenses (Total of lines 4, 7, 10, 13 and 18)	167,927,248
20	2. TRANSMISSION EXPENSES	
21	Transmission Operation Expenses	
22	(560) Operation Supervision and Engineering	658,019
23	(561) Load Dispatching	8,142
24	(561.1) Load Dispatch-Reliability	
25	(561.2) Load Dispatch-Monitor and Operate Transmission System	200,365
26	(561.3) Load Dispatch-Transmission Service and Scheduling	61,395
27	(561.4) Scheduling, System Control and Dispatch Services	751,221
28	(561.5) Reliability, Planning and Standards Development	
29	(561.6) Transmission Service Studies	
30	(561.7) Generation Interconnection Studies	
31	(561.8) Reliability, Planning and Standards Development Services	121,408
32	(562) Station Expenses	74,533
33	(563) Overhead Line Expenses	84,455
34	(564) Underground Line Expenses	
35	(565) Transmission of Electricity by Others	5,847,334
36	(566) Miscellaneous Transmission Expenses	644,096
37	(567) Rents	125,951
38	(567.1) Operation Supplies and Expenses (Non-Major)	

ELECTRIC PRODUCTION, OTHER POWER SUPPLY EXPENSES, TRANSMISSION AND DISTRIBUTION EXPENSES

Report Electric production, other power supply expenses, transmission, regional control and market operation, and distribution expenses through the reporting period.

Line No.	Account (a)	Year to Date Quarter (b)
39	TOTAL Transmission Operation Expenses (Lines 22 - 38)	8,576,919
40	Transmission Maintenance Expenses	
41	(568) Maintenance Supervision and Engineering	
42	(569) Maintenance of Structures	13,985
43	(569.1) Maintenance of Computer Hardware	
44	(569.2) Maintenance of Computer Software	
45	(569.3) Maintenance of Communication Equipment	
46	(569.4) Maintenance of Miscellaneous Regional Transmission Plant	
47	(570) Maintenance of Station Equipment	283,337
48	(571) Maintenance Overhead Lines	1,406,447
49	(572) Maintenance of Underground Lines	359
50	(573) Maintenance of Miscellaneous Transmission Plant	759
51	(574) Maintenance of Transmission Plant	
52	TOTAL Transmission Maintenance Expenses (Lines 41 - 51)	1,704,887
53	Total Transmission Expenses (Lines 39 and 52)	10,281,806
54	3. REGIONAL MARKET EXPENSES	
55	Regional Market Operation Expenses	
56	(575.1) Operation Supervision	
57	(575.2) Day-Ahead and Real-Time Market Facilitation	
58	(575.3) Transmission Rights Market Facilitation	
59	(575.4) Capacity Market Facilitation	
60	(575.5) Ancillary Services Market Facilitation	
61	(575.6) Market Monitoring and Compliance	
62	(575.7) Market Facilitation, Monitoring and Compliance Services	518,735
63	Regional Market Operation Expenses (Lines 55 - 62)	518,735
64	Regional Market Maintenance Expenses	
65	(576.1) Maintenance of Structures and Improvements	
66	(576.2) Maintenance of Computer Hardware	
67	(576.3) Maintenance of Computer Software	
68	(576.4) Maintenance of Communication Equipment	
69	(576.5) Maintenance of Miscellaneous Market Operation Plant	
70	Regional Market Maintenance Expenses (Lines 65-69)	
71	TOTAL Regional Control and Market Operation Expenses (Lines 63,70)	518,735
72	4. DISTRIBUTION EXPENSES	
73	Distribution Operation Expenses (580-589)	8,614,318
74	Distribution Maintenance Expenses (590-598)	6,487,162
75	Total Distribution Expenses (Lines 73 and 74)	15,101,480

Name of Respondent	This Report Is:	Date of Report (Mo, Da, Yr)	Year/Period of Report
KCP&L Greater Missouri Operations Company	(1) [X] An Original (2) [ ] A Resubmission	08/30/2010	End of 2010/Q2

ELECTRIC CUSTOMER ACCOUNTS, SERVICE, SALES, ADMINISTRATIVE AND GENERAL EXPENSES

Report the amount of expenses for customer accounts, service, sales, and administrative and general expenses year to date.

Line No.	Account (a)	Year to Date Quarter (b)
1	(901-905) Customer Accounts Expenses	8,156,130
2	(907-910) Customer Service and Information Expenses	770,801
3	(911-917) Sales Expenses	236,203
4	8. ADMINISTRATIVE AND GENERAL EXPENSES	
5	Operations	
6	920 Administrative and General Salaries	8,086,284
7	921 Office Supplies and Expenses	1,232,158
8	(Less) 922 Administrative Expenses Transferred-Credit	-2,750,198
9	923 Outside Services Employed	1,591,375
10	924 Property Insurance	865,696
11	925 Injuries and Damages	533,592
12	926 Employee Pensions and Benefits	3,792,857
13	927 Franchise Requirements	
14	928 Regulatory Commission Expenses	2,101,580
15	(Less) 929 Duplicate Charges-Credit	403,695
16	930.1General Advertising Expenses	83,522
17	930.2Miscellaneous General Expenses	1,121,955
18	931 Rents	1,214,943
19	TOTAL Operation (Total of lines 6 thru 18)	22,970,465
20	Maintenance	
21	935 Maintenance of General Plant	1,145,554
22	TOTAL Administrative and General Expenses (Total of lines 19 and 21)	24,116,019

Name of Respondent	This Report Is:	Date of Report (Mo, Da, Yr)	Year/Period of Report
KCP&L Greater Missouri Operations Company	(1) [X] An Original (2) [ ] A Resubmission	08/30/2010	End of 2010/Q2

TRANSMISSION OF ELECTRICITY FOR OTHERS (Account 456.1)
(Including transactions referred to as 'wheeling')

1. Report all transmission of electricity, i.e., wheeling, provided for other electric utilities, cooperatives, other public authorities, qualifying facilities, non-traditional utility suppliers and ultimate customers for the quarter.
2. Use a separate line of data for each distinct type of transmission service involving the entities listed in column (a), (b) and (c).
3. Report in column (a) the company or public authority that paid for the transmission service. Report in column (b) the company or public authority that the energy was received from and in column (c) the company or public authority that the energy was delivered to. Provide the full name of each company or public authority. Do not abbreviate or truncate name or use acronyms. Explain in a footnote any ownership interest in or affiliation the respondent has with the entities listed in columns (a), (b) or (c)
4. In column (d) enter a Statistical Classification code based on the original contractual terms and conditions of the service as follows: FNO - Firm Network Service for Others, FNS - Firm Network Transmission Service for Self, LFP - "Long-Term Firm Point to Point Transmission Service, OLF - Other Long-Term Firm Transmission Service, SFP - Short-Term Firm Point to Point Transmission Reservation, NF - non-firm transmission service, OS - Other Transmission Service and AD - Out-of-Period Adjustments. Use this code for any accounting adjustments or "true-ups" for service provided in prior reporting periods. Provide an explanation in a footnote for each adjustment. See General Instruction for definitions of codes.

Line No.	Payment By (Company of Public Authority) (Footnote Affiliation) (a)	Energy Received From (Company of Public Authority) (Footnote Affiliation) (b)	Energy Delivered To (Company of Public Authority) (Footnote Affiliation) (c)	Statistical Classifi-cation (d)
1	MISSOURI (KCP&L GMOC-MOPUB):			
2	Associated Electric	KCP&L GMOC-MOPUB	Associated Electric	OS
3	City of Galt	KCP&L GMOC-MOPUB	City of Galt	FNO
4	City of Harrisonville	MO Joint Muni Elec Util Comm	City of Harrisonville	FNO
5	City of Harrisonville	MO Joint Muni Elec Util Comm	City of Harrisonville	AD
6	City of Odessa	MO Joint Muni Elec Util Comm	City of Odessa	FNO
7	City of Odessa	MO Joint Muni Elec Util Comm	City of Odessa	AD
8	Gilman City	KCP&L GMOC-MOPUB	Gilman City	FNO
9	Kansas City Power & Light	KCP&L GMOC-MOPUB	Kansas City Power & Light	OS
10	Liberal Muni Light Co	KCP&L GMOC-MOPUB	Liberal Muni Light Co	FNO
11	Osceola	KCP&L GMOC-MOPUB	Osceola	FNO
12	Rich Hill	KCP&L GMOC-MOPUB	Rich Hill	FNO
13	Southwest Power Pool	KCP&L GMOC-MOPUB	SPP	OS
14				
15				
16				
17	MISSOURI (KCP&L GMOC-SJLP):			
18	Southwest Power Pool	KCP&L GMOC-SJLP	SPP	OS
19				
20				
21				
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23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
	TOTAL			

TRANSMISSION OF ELECTRICITY FOR OTHERS (Account 456)(Continued)
(Including transactions reffered to as 'wheeling')

5. In column (e), identify the FERC Rate Schedule or Tariff Number, On separate lines, list all FERC rate schedules or contract designations under which service, as identified in column (d), is provided.
6. Report receipt and delivery locations for all single contract path, "point to point" transmission service. In column (f), report the designation for the substation, or other appropriate identification for where energy was received as specified in the contract. In column (g) report the designation for the substation, or other appropriate identification for where energy was delivered as specified in the contract.
7. Report in column (h) the number of megawatts of billing demand that is specified in the firm transmission service contract. Demand reported in column (h) must be in megawatts. Footnote any demand not stated on a megawatts basis and explain.
8. Report in column (i) and (j) the total megawatthours received and delivered.

FERC Rate Schedule of Tariff Number (e)	Point of Receipt (Subsatation or Other Designation) (f)	Point of Delivery (Substation or Other Designation) (g)	Billing Demand (MW) (h)	TRANSFER OF ENERGY MegaWatt Hours Received (i)	TRANSFER OF ENERGY MegaWatt Hours Delivered (j)	Line No.
						1
60	Assoc Elect Interc	Butler, Belton, Plat				2
55	City of Galt	City of Galt		618	618	3
OATT	City of Harrisonvill	Harrisonville Sub	30	27,079	27,079	4
OATT	City of Harrisonvill	Harrisonville Sub				5
OATT	City of Odessa	Odessa Sub	14	10,596	10,596	6
OATT	City of Odessa	Odessa Sub				7
56	Gilman City	Gilman City		549	549	8
20	KCPL Interconnects	Multiple				9
54	Liberal Muni Light	Liberal Muni Light		1,387	1,387	10
109	Osceola	Osceola		1,987	1,987	11
58	Rich Hill	Rich Hill		2,485	2,485	12
SPP Tariff	Multiple	Multiple				13
						14
						15
						16
						17
SPP Tariff	Multiple	Multiple				18
						19
						20
						21
						22
						23
						24
						25
						26
						27
						28
						29
						30
						31
						32
						33
						34
			44	**44,701**	**44,701**	

Name of Respondent	This Report Is:	Date of Report (Mo, Da, Yr)	Year/Period of Report
KCP&L Greater Missouri Operations Company	(1) [X] An Original (2) [ ] A Resubmission	08/30/2010	End of 2010/Q2

TRANSMISSION OF ELECTRICITY FOR OTHERS (Account 456) (Continued)
(Including transactions reffered to as 'wheeling')

9. In column (k) through (n), report the revenue amounts as shown on bills or vouchers. In column (k), provide revenues from demand charges related to the billing demand reported in column (h). In column (l), provide revenues from energy charges related to the amount of energy transferred. In column (m), provide the total revenues from all other charges on bills or vouchers rendered, including out of period adjustments. Explain in a footnote all components of the amount shown in column (m). Report in column (n) the total charge shown on bills rendered to the entity Listed in column (a). If no monetary settlement was made, enter zero (11011) in column (n). Provide a footnote explaining the nature of the non-monetary settlement, including the amount and type of energy or service rendered.
10. The total amounts in columns (i) and (j) must be reported as Transmission Received and Transmission Delivered for annual report purposes only on Page 401, Lines 16 and 17, respectively.
11. Footnote entries and provide explanations following all required data.

REVENUE FROM TRANSMISSION OF ELECTRICITY FOR OTHERS

Demand Charges ($) (k)	Energy Charges ($) (l)	(Other Charges) ($) (m)	Total Revenues ($) (k+l+m) (n)	Line No.
				1
		25,186	25,186	2
		4,199	4,199	3
93,802		14,494	108,296	4
				5
36,470		5,792	42,262	6
				7
		3,808	3,808	8
		17,088	17,088	9
		9,630	9,630	10
		13,100	13,100	11
		16,289	16,289	12
		672,849	672,849	13
				14
				15
				16
				17
		587,232	587,232	18
				19
				20
				21
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				25
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				29
				30
				31
				32
				33
				34
130,272	**0**	**1,369,667**	**1,499,939**	

Name of Respondent	This Report Is:	Date of Report (Mo, Da, Yr)	Year/Period of Report
KCP&L Greater Missouri Operations Company	(1) [X] An Original (2) [ ] A Resubmission	08/30/2010	End of 2010/Q2

TRANSMISSION OF ELECTRICITY BY ISO/RTOs

1. Report in Column (a) the Transmission Owner receiving revenue for the transmission of electricity by the ISO/RTO.
2. Use a separate line of data for each distinct type of transmission service involving the entities listed in Column (a).
3. In Column (b) enter a Statistical Classification code based on the original contractual terms and conditions of the service as follows: FNO – Firm Network Service for Others, FNS – Firm Network Transmission Service for Self, LFP – Long-Term Firm Point-to-Point Transmission Service, OLF – Other Long-Term Firm Transmission Service, SFP – Short-Term Firm Point-to-Point Transmission Reservation, NF – Non-Firm Transmission Service, OS – Other Transmission Service and AD- Out-of-Period Adjustments. Use this code for any accounting adjustments or "true-ups" for service provided in prior reporting periods. Provide an explanation in a footnote for each adjustment. See General Instruction for definitions of codes.
4. In column (c) identify the FERC Rate Schedule or tariff Number, on separate lines, list all FERC rate schedules or contract designations under which service, as identified in column (b) was provided.
5. In column (d) report the revenue amounts as shown on bills or vouchers.
6. Report in column (e) the total revenues distributed to the entity listed in column (a).

Line No.	Payment Received by (Transmission Owner Name) (a)	Statistical Classification (b)	FERC Rate Schedule or Tariff Number (c)	Total Revenue by Rate Schedule or Tarirff (d)	Total Revenue (e)
1	NA				
2					
3					
4					
5					
6					
7					
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34					
35					
36					
37					
38					
39					
40	TOTAL				

TRANSMISSION OF ELECTRICITY BY OTHERS (Account 565)
(Including transactions referred to as "wheeling")

1. Report all transmission, i.e. wheeling or electricity provided by other electric utilities, cooperatives, municipalities, other public authorities, qualifying facilities, and others for the quarter.
2. In column (a) report each company or public authority that provided transmission service. Provide the full name of the company, abbreviate if necessary, but do not truncate name or use acronyms. Explain in a footnote any ownership interest in or affiliation with the transmission service provider. Use additional columns as necessary to report all companies or public authorities that provided transmission service for the quarter reported.
3. In column (b) enter a Statistical Classification code based on the original contractual terms and conditions of the service as follows: FNS - Firm Network Transmission Service for Self, LFP - Long-Term Firm Point-to-Point Transmission Reservations. OLF - Other Long-Term Firm Transmission Service, SFP - Short-Term Firm Point-to- Point Transmission Reservations, NF - Non-Firm Transmission Service, and OS - Other Transmission Service. See General Instructions for definitions of statistical classifications.
4. Report in column (c) and (d) the total megawatt hours received and delivered by the provider of the transmission service.
5. Report in column (e), (f) and (g) expenses as shown on bills or vouchers rendered to the respondent. In column (e) report the demand charges and in column (f) energy charges related to the amount of energy transferred. On column (g) report the total of all other charges on bills or vouchers rendered to the respondent, including any out of period adjustments. Explain in a footnote all components of the amount shown in column (g). Report in column (h) the total charge shown on bills rendered to the respondent. If no monetary settlement was made, enter zero in column (h). Provide a footnote explaining the nature of the non-monetary settlement, including the amount and type of energy or service rendered.
6. Enter "TOTAL" in column (a) as the last line.
7. Footnote entries and provide explanations following all required data.

Line No.	Name of Company or Public Authority (Footnote Affiliations) (a)	Statistical Classification (b)	TRANSFER OF ENERGY: Magawatt-hours Received (c)	TRANSFER OF ENERGY: Magawatt-hours Delivered (d)	EXPENSES FOR TRANSMISSION OF ELECTRICITY BY OTHERS: Demand Charges ($) (e)	Energy Charges ($) (f)	Other Charges ($) (g)	Total Cost of Transmission ($) (h)
1	Associated Electric	LFP			9,498			9,498
2	American Electric Power	NF			150,000			150,000
3	Entergy Elec Services	LFP			1,215,000		10,135	1,225,135
4	Kansas City Pwr & Light	NF			53,021		1,636	54,657
5	Midwest Indep Syst Oper	NF	2,016	2,016	25,781	26,235		52,016
6	Nebraska Pub Pwr Dist	LFP			917,625			917,625
7	Southwest Power Pool	NF			22,868			22,868
8	Southwest Power Pool	LFP			403,020			403,020
9	Westar Energy	LFP			333,072			333,072
10								
11								
12								
13								
14								
15								
16								
	TOTAL		2,016	2,016	3,129,885	26,235	11,771	3,167,891

FOOTNOTE DATA

Schedule Page: 332   Line No.: 3   Column: g

Other charges include a transmission monthly fee, ancillary fee and membership fee.

Schedule Page: 332   Line No.: 4   Column: a

Great Plains Energy, the parent company of Kansas City Power & Light Company, also owns all the outstanding shares of KCPL GMO and its Missouri-based electric utility assets.

Schedule Page: 332   Line No.: 4   Column: g

Other charges include a transmission monthly fee.

Name of Respondent	This Report Is:	Date of Report (Mo, Da, Yr)	Year/Period of Report
KCP&L Greater Missouri Operations Company	(1) [X] An Original (2) [ ] A Resubmission	08/30/2010	End of 2010/Q2

Depreciation, Depletion and Amortization of Electric Plant (Accts 403, 403.1, 404, and 405) (Except Amortization of Acquisition Adjustments)

1. Report the year to date amounts of depreciation expense, asset retirement cost depreciation, depletion and amortization, except amortization of acquisition adjustments for the accounts indicated and classified according to the plant functional groups described.

Line No.	Functional Classification (a)	Depreciation Expense (Account 403) (b)	Depreciation Expense for Asset Retirement Costs (Account 403.1) (c)	Amortization of Other Limited-Term Electric Plant (Account 404) (e)	Amortization of Other Electric Plant (Account 405) (e)	Total (f)
1	Intangible Plant	12,197		365,020	69,072	446,289
2	Steam Production Plant	8,470,117	31,605			8,501,722
3	Nuclear Production Plant					
4	Hydraulic Production Plant Conv					
5	Hydraulic Production Plant - Pumped Storage					
6	Other Production Plant	6,739,269	2,596			6,741,865
7	Transmission Plant	3,050,100		73,633	397,359	3,521,092
8	Distribution Plant	14,468,847		112	397,359	14,866,318
9	General Plant	3,343,272	345			3,343,617
10	Common Plant					
11	TOTAL ELECTRIC (lines 2 through 10)	36,083,802	34,546	438,765	863,790	37,420,903

Name of Respondent	This Report Is:	Date of Report (Mo, Da, Yr)	Year/Period of Report
KCP&L Greater Missouri Operations Company	(1) [X] An Original (2) [ ] A Resubmission	08/30/2010	End of 2010/Q2

AMOUNTS INCLUDED IN ISO/RTO SETTLEMENT STATEMENTS

1. The respondent shall report below the details called for concerning amounts it recorded in Account 555, Purchase Power, and Account 447, Sales for Resale, for items shown on ISO/RTO Settlement Statements. Transactions should be separately netted for each ISO/RTO administered energy market for purposes of determining whether an entity is a net seller or purchaser in a given hour. Net megawatt hours are to be used as the basis for determining whether a net purchase or sale has occurred. In each monthly reporting period, the hourly sale and purchase net amounts are to be aggregated and separately reported in Account 447, Sales for Resale, or Account 555, Purchased Power, respectively.

Line No.	Description of Item(s) (a)	Balance at End of Quarter 1 (b)	Balance at End of Quarter 2 (c)	Balance at End of Quarter 3 (d)	Balance at End of Year (e)
1	Energy				
2	Net Purchases (Account 555)	1,031,196	1,765,973		
3	Net Sales (Account 447)	4,597,408	1,929,441		
4	Transmission Rights				
5	Ancillary Services	(670,134)	374,247		
6	Other Items (list separately)				
7					
8					
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46	TOTAL	4,958,470	4,069,661		

Name of Respondent	This Report Is:	Date of Report (Mo, Da, Yr)	Year/Period of Report
KCP&L Greater Missouri Operations Company	(1) [X] An Original (2) [ ] A Resubmission	08/30/2010	End of 2010/Q2

MONTHLY PEAKS AND OUTPUT

(1) (1) Report the monthly peak load and energy output. If the respondent has two or more power systems which are not physically integrated, furnish the required information for each non- integrated system. In quarter 1 report January, February, and March only. In quarter 2 report April, May, and June only. In quarter 3 report July, August, and September only.
(2) Report on column (b) by month the system's output in Megawatt hours for each month.
(3) Report on column (c) by month the non-requirements sales for resale. Include in the monthly amounts any energy losses associated with the sales.
(4) Report on column (d) by month the system's monthly maximum megawatt load (60 minute integration) associated with the system.
(5) Report on columns (e) and (f) the specified information for each monthly peak load reported on column (d).
(6) Report Monthly Peak Hours in military time; 0100 for 1:00 AM, 1200 for 12 AM, and 1830 for 6:30 PM, etc.

NAME OF SYSTEM: Company Total

Line No.	Month (a)	Total Monthly Energy (MWH) (b)	Monthly Non-Requirments Sales for Resale & Associated Losses (c)	MONTHLY PEAK		
				Megawatts (See Instr. 4) (d)	Day of Month (e)	Hour (f)
1	January	922,346	44,824		0	0
2	February	809,340	58,221		0	0
3	March	726,158	32,446		0	0
4	Total	2,457,844	135,491			
5	April	615,330	33,945		0	0
6	May	667,516	13,374		0	0
7	June	882,260	29,713		0	0
8	Total	2,165,106	77,032			
9	July				0	0
10	August				0	0
11	September				0	0
12	Total					

Schedule Page: 399 Line No.: 8 Column: b

Month (a)	MONTHLY PEAK Megawatts (See Instr. 4) (d)	Day of Month (e)	Hour (f)
NAME OF SYSTEM: KCP&L GMO-MPS			
January	1,213	7	7:00 PM
February	1,048	9	8:00 AM
March	905	1	8:00 PM
April	773	14	9:00 PM
May	1,163	24	5:00 PM
June	1,396	22	5:00 PM
July			
August			
September			
October			
November			
December			
NAME OF SYSTEM: KCP&L GMO-L&P			

Month (a)	MONTHLY PEAK Megawatts (See Instr. 4) (d)	Day of Month (e)	Hour (f)
January	440	7	7:00 PM
February	420	9	8:00 AM
March	344	3	8:00 AM
April	277	14	2:00 PM
May	354	24	5:00 PM
June	427	23	2:00 PM
July			
August			
September			
October			
November			
December			

Name of Respondent	This Report Is:	Date of Report (Mo, Da, Yr)	Year/Period of Report
KCP&L Greater Missouri Operations Company	(1) [X] An Original (2) [ ] A Resubmission	08/30/2010	End of 2010/Q2

MONTHLY TRANSMISSION SYSTEM PEAK LOAD

(1) Report the monthly peak load on the respondent's transmission system. If the respondent has two or more power systems which are not physically integrated, furnish the required information for each non-integrated system.
(2) Report on Column (b) by month the transmission system's peak load.
(3) Report on Columns (c) and (d) the specified information for each monthly transmission - system peak load reported on Column (b).
(4) Report on Columns (e) through (j) by month the system' monthly maximum megawatt load by statistical classifications. See General Instruction for the definition of each statistical classification.

NAME OF SYSTEM: KCP&L Greater Missouri Operations Company

Line No.	Month (a)	Monthly Peak MW - Total (b)	Day of Monthly Peak (c)	Hour of Monthly Peak (d)	Firm Network Service for Self (e)	Firm Network Service for Others (f)	Long-Term Firm Point-to-point Reservations (g)	Other Long-Term Firm Service (h)	Short-Term Firm Point-to-point Reservation (i)	Other Service (j)
1	January	1,681	7	1900	1,653	27		1		
2	February	1,491	9	800	1,468	22		1		
3	March	1,240	1	2000	1,219	20		1		
4	Total for Quarter 1	4,412			4,340	69		3		
5	April	1,066	14	1700	1,047	19				
6	May	1,548	24	1700	1,517	30		1		
7	June	1,852	22	1700	1,815	36		1		
8	Total for Quarter 2	4,466			4,379	85		2		
9	July									
10	August									
11	September									
12	Total for Quarter 3									
13	October									
14	November									
15	December									
16	Total for Quarter 4									
17	Total Year to Date/Year	8,878			8,719	154		5		

Name of Respondent	This Report Is:	Date of Report (Mo, Da, Yr)	Year/Period of Report
KCP&L Greater Missouri Operations Company	(1) [X] An Original (2) [ ] A Resubmission	08/30/2010	End of 2010/Q2

MONTHLY TRANSMISSION SYSTEM PEAK LOAD

(1) Report the monthly peak load on the respondent's transmission system. If the respondent has two or more power systems which are not physically integrated, furnish the required information for each non-integrated system.
(2) Report on Column (b) by month the transmission system's peak load.
(3) Report on Columns (c) and (d) the specified information for each monthly transmission - system peak load reported on Column (b).
(4) Report on Columns (e) through (j) by month the system' monthly maximum megawatt load by statistical classifications. See General Instruction for the definition of each statistical classification.

NAME OF SYSTEM: KCP&L GMO-MOPUB

Line No.	Month (a)	Monthly Peak MW - Total (b)	Day of Monthly Peak (c)	Hour of Monthly Peak (d)	Firm Network Service for Self (e)	Firm Network Service for Others (f)	Long-Term Firm Point-to-point Reservations (g)	Other Long-Term Firm Service (h)	Short-Term Firm Point-to-point Reservation (i)	Other Service (j)
1	January	1,241	7	1900	1,213	27		1		
2	February	1,071	9	800	1,048	22		1		
3	March	926	1	2000	905	20		1		
4	Total for Quarter 1	3,238			3,166	69		3		
5	April	791	14	2100	773	18				
6	May	1,194	24	1700	1,163	30		1		
7	June	1,433	22	1700	1,396	36		1		
8	Total for Quarter 2	3,418			3,332	84		2		
9	July									
10	August									
11	September									
12	Total for Quarter 3									
13	October									
14	November									
15	December									
16	Total for Quarter 4									
17	Total Year to Date/Year	6,656			6,498	153		5		

MONTHLY TRANSMISSION SYSTEM PEAK LOAD

(1) Report the monthly peak load on the respondent's transmission system. If the respondent has two or more power systems which are not physically integrated, furnish the required information for each non-integrated system.
(2) Report on Column (b) by month the transmission system's peak load.
(3) Report on Columns (c) and (d) the specified information for each monthly transmission - system peak load reported on Column (b).
(4) Report on Columns (e) through (j) by month the system' monthly maximum megawatt load by statistical classifications. See General Instruction for the definition of each statistical classification.

NAME OF SYSTEM: KCP&L GMO-SJLP

Line No.	Month (a)	Monthly Peak MW - Total (b)	Day of Monthly Peak (c)	Hour of Monthly Peak (d)	Firm Network Service for Self (e)	Firm Network Service for Others (f)	Long-Term Firm Point-to-point Reservations (g)	Other Long-Term Firm Service (h)	Short-Term Firm Point-to-point Reservation (i)	Other Service (j)
1	January	440	7	1900	440					
2	February	420	9	800	420					
3	March	344	3	800	344					
4	Total for Quarter 1	1,204			1,204					
5	April	277	14	1400	277					
6	May	354	24	1700	354					
7	June	427	23	1400	427					
8	Total for Quarter 2	1,058			1,058					
9	July									
10	August									
11	September									
12	Total for Quarter 3									
13	October									
14	November									
15	December									
16	Total for Quarter 4									
17	Total Year to Date/Year	2,262			2,262					

Name of Respondent	This Report Is:	Date of Report (Mo, Da, Yr)	Year/Period of Report
KCP&L Greater Missouri Operations Company	(1) [X] An Original (2) [ ] A Resubmission	08/30/2010	End of 2010/Q2

MONTHLY ISO/RTO TRANSMISSION SYSTEM PEAK LOAD

(1) Report the monthly peak load on the respondent's transmission system. If the Respondent has two or more power systems which are not physically integrated, furnish the required information for each non-integrated system.
(2) Report on Column (b) by month the transmission system's peak load.
(3) Report on Column (c) and (d) the specified information for each monthly transmission - system peak load reported on Column (b).
(4) Report on Columns (e) through (i) by month the system's transmission usage by classification. Amounts reported as Through and Out Service in Column (g) are to be excluded from those amounts reported in Columns (e) and (f).
(5) Amounts reported in Column (j) for Total Usage is the sum of Columns (h) and (i).

NAME OF SYSTEM:

Line No.	Month (a)	Monthly Peak MW - Total (b)	Day of Monthly Peak (c)	Hour of Monthly Peak (d)	Imports into ISO/RTO (e)	Exports from ISO/RTO (f)	Through and Out Service (g)	Network Service Usage (h)	Point-to-Point Service Usage (i)	Total Usage (j)
1	January									
2	February									
3	March									
4	Total for Quarter 1									
5	April									
6	May									
7	June									
8	Total for Quarter 2									
9	July									
10	August									
11	September									
12	Total for Quarter 3									
13	October									
14	November									
15	December									
16	Total for Quarter 4									
17	Total Year to Date/Year									

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