

As filed with the Securities and Exchange Commission on April 28, 1995

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Form S-8
REGISTRATION STATEMENT
Under
THE SECURITIES ACT OF 1933

Kansas City Power & Light Company
(Exact name of registrant as specified in its charter)

Missouri	44-0308720
(State or other jurisdiction of incorporation or organization)	(I.R.S. Employer Identification No.)

1201 Walnut
Kansas City, Missouri 64106
(Address and Zip Code principal executive offices)

EMPLOYEE SAVINGS PLUS PLAN

Jeanie Sell Latz, Corporate Secretary
1201 Walnut
Kansas City, Missouri 64106
(Name and address of agent for service)

(816) 556-2936
(Telephone number, including area code, of agent of service)

CALCULATION OF REGISTRATION FEE

Title of Securities to be Registered	Amount to be Registered	Proposed Maximum Offering Price per Share*	Proposed Maximum Aggregate Offering Price*	Amount of Registration Fee
Common Stock without Par Value	1,500,000 shares	\$22.4375	\$33,656,250	\$11,605.58

In addition, pursuant to Rule 416(c) under the Securities Act of 1933, this registration statement also covers an indeterminate amount of interests to be offered or sold pursuant to the employee benefit plan described herein.

*Estimated solely for purpose of determining the registration fee. The average of the high and low prices in Common Stock on April 24, 1995, as reported on the NYSE Composite Transaction, was \$22.4375.

This employee benefit plan was originally filed pursuant to Registration Statement No. 33-17403. Additional securities were registered for use in the Plan pursuant to Registration Statement No. 33-33377, Registration Statement No. 33-42187, and Registration Statement No. 33-62942. The appropriate portions of those Registration Statements are incorporated herein by reference.

An updated prospectus dated April 28, 1995, is being sent to all employees participating in the Plan.

Exhibits

Exhibit Number	Description of Document
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3-a	*Restated Articles of Consolidation of the Company dated as of May 5, 1992 (Exhibit 4 to Registration Statement,
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Registration No. 33-54196).

- 3-b *By-laws of the Company, as amended and in effect on December 31, 1993 (Exhibit 3-b to Form 10-K for the year ended 1993).
- 4-a *General Mortgage and Deed of Trust dated as of December 1, 1986, between the Company and United Missouri Bank N.A. (formerly United Missouri Bank) of Kansas City, N.A., Trustee (Exhibit 4-bb to Form 10-K for the year ended December 31, 1986).
- 4-b *Third Supplemental Indenture dated as of April 1, 1991, to Indenture dated as of December 1, 1986 (Exhibit 4-aq to Registration Statement, Registration No. 33-42187).
- 4-c *Fourth Supplemental Indenture dated as of February 15, 1992, to Indenture dated as of December 1, 1986 (Exhibit 4-y to Form 10-K for year ended December 31, 1991).
- 4-d *Fifth Supplemental Indenture dated as of September 15, 1992, to Indenture dated as of December 1, 1986 (Exhibit 4-a to Form 10-Q dated September 30, 1992).
- 4-e *Sixth Supplemental Indenture dated as of November 1, 1992, to Indenture dated as of December 1, 1986 (Exhibit 4-z to Registration Statement, Registration No. 33-54196).
- 4-f *Seventh Supplemental Indenture dated as of October 1, 1993, to Indenture dated as of December 1, 1986 (Exhibit 4-a to Form 10-Q dated September 30, 1993).
- 4-g *Eighth Supplemental Indenture dated as of December 1, 1993, to Indenture dated as of December 1, 1986 (Exhibit 4 to Registration Statement, Registration No. 33-51799).
- 4-h *Ninth Supplemental Indenture dated as of February 1, 1994, to Indenture dated as of December 1, 1986 (Exhibit 4-h to Form 10-K for year ended December 31, 1993).
- 4-i *Tenth Supplemental Indenture dated as of November 1, 1994, to Indenture dated as of December 1, 1986 (Exhibit 4-i to Form 10-K for year ended December 31, 1994).
- 4-j *Resolution of Board of Directors Establishing 3.80% Cumulative Preferred Stock (Exhibit 2-R to Registration Statement, Registration No. 2-40239).
- 4-k *Resolution of Board of Directors Establishing 4% Cumulative Preferred Stock (Exhibit 2-S to Registration Statement, Registration No. 2-40239).
- 4-l *Resolution of Board of Directors Establishing 4.50% Cumulative Preferred Stock (Exhibit 2-T to Registration Statement, Registration No. 2-40239).
- 4-m *Resolution of Board of Directors Establishing 4.20% Cumulative Preferred Stock (Exhibit 2-U to Registration Statement, Registration No. 2-40239).
- 4-n *Resolution of Board of Directors Establishing 4.35% Cumulative Preferred Stock (Exhibit 2-V to Registration Statement, Registration No. 2-40239).
- 4-o *Certificate of Designation of Board of Directors Establishing the \$50,000,000 Cumulative No Par Preferred Stock, Auction Series A (Exhibit 4-a to Form 10-Q dated March 31, 1992).
- 4-p *Indenture for Medium-Term Note Program dated as of April 1, 1991, between the Company and The Bank of New York (Exhibit 4-bb to Registration Statement, Registration No. 33-42187).
- 4-q *Indenture for Medium-Term Note Program dated as of February 15, 1992, between the Company and The Bank of New York (Exhibit 4-bb to Registration Statement, Registration No. 33-45736).
- 4-r *Indenture for Medium-Term Note Program dated as of November 15, 1992, between the Company and The Bank of New York (Exhibit 4-aa to Registration Statement, Registration No. 33-54196).
- 4-s *Indenture for Medium-Term Note Program dated as of November 17, 1994, between the Company and Merrill Lynch & Co., Merrill Lynch, Pierce, Fenner & Smith Incorporated and Smith Barney Inc. (Exhibit 4-s to Form 10-K for year ended December 31, 1994).
- 10-a *Copy of Wolf Creek Generating Station Ownership Agreement between Kansas City Power & Light Company, Kansas Gas and Electric Company and Kansas Electric Power Cooperative, Inc. (Exhibit 10-d to Form 10-K for the year ended December 31, 1981).
- 10-b *Copy of Receivables Purchase Agreement dated as of September 27, 1989, between the Company, Commercial Industrial Trade-Receivables Investment Company and Citicorp North America, Inc., (Exhibit 10-p to Form 10-K for year ended December 31, 1989).
- 10-c *Copy of Amendment to Receivables Purchase Agreement dated as of August 8, 1991, between the Company, Commercial Industrial Trade-Receivables Investment Company and Citicorp North America, Inc. (Exhibit 10-m to Form 10-K for year ended

December 31, 1991).

- 10-d *Long-Term Incentive Plan (Exhibit 28 to Registration Statement, Registration 33-42187).
- 10-e *Copy of Indemnification Agreement entered into by the Company with each of its officers and directors (Exhibit 10-0 to Form 10-K for year ended December 31, 1986).
- 10-f *Copy of Executive Incentive Compensation Plan (Exhibit 10-g to form 10-K for year ended December 31, 1986).
- 10-g *Copy of Severance Agreement entered into by the Company with certain of its executive officers (Exhibit 10 to Form 10-Q dated June 30, 1993).
- 10-h *Copy of Supplemental Executive Retirement and Deferred Compensation Plan (Exhibit 10-h to Form 10-K for year ended December 31, 1993).
- 10-i *Copy of \$50 million Letter of Credit and reimbursement agreement dated as of August 19, 1993, with The Toronto-Dominion Bank (Exhibit 10-i to Form 10-K for year ended December 31, 1993).
- 10-j *Copy of \$56 million Letter of Credit and Reimbursement Agreement dated as of August 19, 1993, with Societe Generale, Chicago Branch (Exhibit 10-j to Form 10-K for year ended December 31, 1993).
- 10-k *Copy of \$50 million Letter of Credit and Reimbursement Agreement dated as of August 19, 1993, with The Toronto-Dominion Bank (Exhibit 10-k to Form 10-K for year ended December 31, 1993).
- 10-l *Copy of \$40 million Letter of Credit and Reimbursement Agreement dated as of August 19, 1993, with Deutsche Bank AG, acting through its New York and Cayman Islands Branches (Exhibit 10-l to Form 10-K for year ended December 31, 1993).
- 10-m *Copy of Railcar Lease dated as of April 15, 1994, between Shawmut Bank Connecticut, National Association, and the Company (Exhibit 10 to Form 10-Q for period ended June 30, 1994).
- 10-n *Copy of Amendment No. 2 to Receivables Purchase Agreement between the Company and Ciesco L.P. and Citicorp North America, Inc. (Exhibit 10 to Form 10-Q for period ended September 30, 1994).
- 10-o *Copy of Railcar Lease dated as of January 31, 1995, between First Security Bank of Utah, National Association, and the Company (Exhibit 10-o to Form 10-K for year ended December 31, 1994).
- 23 Consent of Independent Accountants--Coopers & Lybrand L.L.P.
- 24 Powers of Attorney.

* Filed with the Securities and Exchange Commission as exhibits to prior registration statements (except as otherwise noted) and are incorporated herein by reference and made a part hereof. The exhibit number and file number of the documents so filed, and incorporated herein by reference, are stated in parenthesis in the description of such exhibit.

Copies of any of the exhibits filed with the Securities and Exchange Commission in connection with this document may be obtained from the Company upon written request.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this registration statement or amendment thereto to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Kansas City, and State of Missouri, on the 28th day of April, 1995.

KANSAS CITY POWER & LIGHT COMPANY

By /s/Drue Jennings
Chairman of the Board and President

Pursuant to the requirements of the Securities Act of 1933, this registration statement or amendment has been signed below by the following persons in the capacities and on the dates indicated.

Signature	Title	Date
/s/Drue Jennings	Chairman of the Board and President (Principal Executive Officer)))))
/s/John DeStefano	Vice President-Finance and Treasurer (Principal Financial Officer)))))
/s/Neil Roadman	Controller (Principal Accounting Officer)))))
David L. Bodde*	Director)))
William H. Clark*	Director) April 28, 1995))
Robert J. Dineen*	Director)))
Arthur J. Doyle*	Director)))
W. Thomas Grant II*	Director)))
George E. Nettels, Jr.*	Director)))
Linda Hood Talbott*	Director)))
Robert H. West*	Director)))

*By /s/Drue Jennings
Attorney-in-fact

CONSENT OF INDEPENDENT ACCOUNTANTS

We consent to the incorporation by reference in the Registration Statement of Kansas City Power & Light Company (the Company) on Form S-8 of (i) our report dated January 30, 1995, on our audits of the consolidated financial statements of the Company as of December 31, 1994, and 1993, and for the years ended December 31, 1994, 1993, and 1992, which report is included in the Company's Annual Report on Form 10-K; and (ii) our report dated May 31, 1994, on our audits of the financial statements of the Kansas City Power & Light Company's Employee Savings Plus Plan as of December 31, 1993, and 1992, and for the years ended December 31, 1993, 1992, and 1991, which report is included in Kansas City Power & Light Company's Employee Savings Plus Plan Annual Report on Form 11-K.

/s/Coopers & Lybrand L. L. P.
(COOPERS & LYBRAND L. L. P.)

Kansas City, Missouri
April 28, 1995

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS:

That the undersigned, a Director of Kansas City Power & Light Company, a Missouri corporation, does hereby constitute and appoint Drue Jennings, his true and lawful attorney and agent, with full power and authority to execute in the name and on behalf of the undersigned as such director a Registration Statement on Form S-8 and all amendments thereto; hereby granting unto such attorney and agent full power of substitution and revocation in the premises; and hereby ratifying and confirming all that such attorney and agent may do or cause to be done by virtue of these presents.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 14th day of March, 1995.

/s/David L. Bodde

STATE OF MISSOURI)
) ss
COUNTY OF JACKSON)

On this 14th day of March, 1995, before me the undersigned, a Notary Public, personally appeared David L. Bodde, to be known to be the person described in and who executed the foregoing instrument, and who, being by me first duly sworn, acknowledged that he executed the same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal the day and year last above written.

/s/Donna L. Wood
Notary Public
Jackson County, Missouri

My Commission Expires:

June 28, 1998

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS:

That the undersigned, a Director of Kansas City Power & Light Company, a Missouri corporation, does hereby constitute and appoint Drue Jennings, his true and lawful attorney and agent, with full power and authority to execute in the name and on behalf of the undersigned as such director a Registration Statement on Form S-8 and all amendments thereto; hereby granting unto such attorney and agent full power of substitution and revocation in the premises; and hereby ratifying and confirming all that such attorney and agent may do or cause to be done by virtue of these presents.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 14th day of March, 1995.

/s/William H. Clark

STATE OF MISSOURI)
) ss
COUNTY OF JACKSON)

On this 14th day of March, 1995, before me the undersigned, a Notary Public, personally appeared William H. Clark, to be known to be the person described in and who executed the foregoing instrument, and who, being by me first duly sworn, acknowledged that he executed the same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal the day and year last above written.

/s/Jacquetta L. Hartman
Notary Public
Ray County, Missouri

My Commission Expires:

April 8, 1996

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS:

That the undersigned, a Director of Kansas City Power & Light Company, a Missouri corporation, does hereby constitute and appoint Drue Jennings, his true and lawful attorney and agent, with full power and authority to execute in the name and on behalf of the undersigned as such director a Registration Statement on Form S-8 and all amendments thereto; hereby granting unto such attorney and agent full power of substitution and revocation in the premises; and hereby ratifying and confirming all that such attorney and agent may do or cause to be done by virtue of these presents.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 14th day of March, 1995.

/s/Robert J. Dineen

STATE OF MISSOURI)
) ss
COUNTY OF JACKSON)

On this 14th day of March, 1995, before me the undersigned, a Notary Public, personally appeared Robert J. Dineen, to be known to be the person described in and who executed the foregoing instrument, and who, being by me first duly sworn, acknowledged that he executed the same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal the day and year last above written.

/s/Jacquetta L. Hartman
Notary Public
Ray County, Missouri

My Commission Expires:

April 8, 1996

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS:

That the undersigned, a Director of Kansas City Power & Light Company, a Missouri corporation, does hereby constitute and appoint Drue Jennings, his true and lawful attorney and agent, with full power and authority to execute in the name and on behalf of the undersigned as such director a Registration Statement on Form S-8 and all amendments thereto; hereby granting unto such attorney and agent full power of substitution and revocation in the premises; and hereby ratifying and confirming all that such attorney and agent may do or cause to be done by virtue of these presents.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 14th day of March, 1995.

/s/Arthur J. Doyle

STATE OF MISSOURI)
) ss
COUNTY OF JACKSON)

On this 14th day of March, 1995, before me the undersigned, a Notary Public, personally appeared Arthur J. Doyle, to be known to be the person described in and who executed the foregoing instrument, and who, being by me first duly sworn, acknowledged that he executed the same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal the day and year last above written.

/s/Jacquetta L. Hartman
Notary Public
Ray County, Missouri

My Commission Expires:

April 8, 1996

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS:

That the undersigned, a Director of Kansas City Power & Light Company, a Missouri corporation, does hereby constitute and appoint Drue Jennings, his true and lawful attorney and agent, with full power and authority to execute in the name and on behalf of the undersigned as such director a Registration Statement on Form S-8 and all amendments thereto; hereby granting unto such attorney and agent full power of substitution and revocation in the premises; and hereby ratifying and confirming all that such attorney and agent may do or cause to be done by virtue of these presents.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 14th day of March, 1995.

/s/W. Thomas Grant II

STATE OF MISSOURI)
) ss
COUNTY OF JACKSON)

On this 14th day of March, 1995, before me the undersigned, a Notary Public, personally appeared W. Thomas Grant II, to be known to be the person described in and who executed the foregoing instrument, and who, being by me first duly sworn, acknowledged that he executed the same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal the day and year last above written.

/s/Jacquetta L. Hartman
Notary Public
Ray County, Missouri

My Commission Expires:

April 8, 1996

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS:

That the undersigned, a Director of Kansas City Power & Light Company, a Missouri corporation, does hereby constitute and appoint Drue Jennings, his true and lawful attorney and agent, with full power and authority to execute in the name and on behalf of the undersigned as such director a Registration Statement on Form S-8 and all amendments thereto; hereby granting unto such attorney and agent full power of substitution and revocation in the premises; and hereby ratifying and confirming all that such attorney and agent may do or cause to be done by virtue of these presents.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 14th day of March, 1995.

/s/George E. Nettels, Jr.

STATE OF MISSOURI)
) ss
COUNTY OF JACKSON)

On this 14th day of March, 1995, before me the undersigned, a Notary Public, personally appeared George E. Nettels, Jr., to be known to be the person described in and who executed the foregoing instrument, and who, being by me first duly sworn, acknowledged that he executed the same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal the day and year last above written.

/s/Jacquetta L. Hartman
Notary Public
Ray County, Missouri

My Commission Expires:

April 8, 1996

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS:

That the undersigned, a Director of Kansas City Power & Light Company, a Missouri corporation, does hereby constitute and appoint Drue Jennings, his true and lawful attorney and agent, with full power and authority to execute in the name and on behalf of the undersigned as such director a Registration Statement on Form S-8 and all amendments thereto; hereby granting unto such attorney and agent full power of substitution and revocation in the premises; and hereby ratifying and confirming all that such attorney and agent may do or cause to be done by virtue of these presents.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 14th day of March, 1995.

/s/Linda H. Talbott

STATE OF MISSOURI)
) ss
COUNTY OF JACKSON)

On this 14th day of March, 1995, before me the undersigned, a Notary Public, personally appeared Linda H. Talbott, to be known to be the person described in and who executed the foregoing instrument, and who, being by me first duly sworn, acknowledged that he executed the same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal the day and year last above written.

/s/Jacquetta L. Hartman
Notary Public
Ray County, Missouri

My Commission Expires:

April 8, 1996

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS:

That the undersigned, a Director of Kansas City Power & Light Company, a Missouri corporation, does hereby constitute and appoint Drue Jennings, his true and lawful attorney and agent, with full power and authority to execute in the name and on behalf of the undersigned as such director a Registration Statement on Form S-8 and all amendments thereto; hereby granting unto such attorney and agent full power of substitution and revocation in the premises; and hereby ratifying and confirming all that such attorney and agent may do or cause to be done by virtue of these presents.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 20th day of March, 1995.

/s/Robert H. West

STATE OF MISSOURI)
) ss
COUNTY OF JACKSON)

On this 20th day of March, 1995, before me the undersigned, a Notary Public, personally appeared Robert H. West, to be known to be the person described in and who executed the foregoing instrument, and who, being by me first duly sworn, acknowledged that he executed the same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal the day and year last above written.

/s/Jacquetta L. Hartman
Notary Public
Ray County, Missouri

My Commission Expires:

April 8, 1996

April 28, 1995

Securities and Exchange Commission
450 Fifth Street, NW
Washington, DC 20549

Re: Kansas City Power & Light Company
Registration Statement on Form S-8

Ladies and Gentlemen:

Kansas City Power & Light Company hereby files through the Securities and Exchange Commission's EDGAR System a Registration Statement on Form S-8, including exhibits, for the registration of additional shares of common stock in the Company's Employee Savings Plus Plan.

The filing fee in the amount of \$11,605.58 has previously been wired to the SEC's account at Mellon Bank for the Company's account.

Very truly yours,

/s/Jeanie Sell Latz

Jeanie Sell Latz
(816) 556-2936

JSL:jh

Conformed Copy: Mr. Charles Leber
Branch Chief
Securities and Exchange Commission
450 Fifth Street, NW
Washington, DC 20549