

SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 11-K

ANNUAL REPORT PURSUANT TO SECTION 15(d) OF THE
SECURITIES EXCHANGE ACT OF 1934

For the fiscal year ended December 31, 2000

OR

TRANSITION REPORT PURSUANT TO SECTION 15(d)
OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from _____ to _____

Commission file number 1-707

A. Full title of the Plan:

Kansas City Power & Light Company
Cash or Deferred Arrangement
(Employee Savings Plus Plan)
(hereinafter referred to as "Plan")

B. Name of issuer of the securities held
pursuant to the
Plan and the address of its principal
executive office:

Kansas City Power & Light Company
1201 Walnut
Kansas City, Missouri 64106-2124

Kansas City Power & Light Company
Cash or Deferred Arrangement Employee Savings Plus Plan
Financial Statements and Supplemental Schedules
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Report of Independent Accountants

To the Participants and Administrative Committee of
the Kansas City Power & Light Company
Cash or Deferred Arrangement Employee Savings Plus Plan

In our opinion, the accompanying statements of net assets available for benefits and the related statements of changes in net assets available for benefits present fairly, in all material respects, the net assets available for benefits of the Kansas City Power & Light Company Cash or Deferred Arrangement Employee Savings Plus Plan (the "Plan") at December 31, 2000 and 1999, and the changes in net assets available for benefits for the years then ended in conformity with accounting principles generally accepted in the United States of America. These financial statements are the responsibility of the Plan's management; our responsibility is to express an opinion on these financial statements based on our audits. We conducted our audits of these statements in accordance with auditing standards generally accepted in the United States of America, which require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, assessing the accounting principles used and significant estimates made by management, and evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

Our audits were conducted for the purpose of forming an opinion on the basic financial statements taken as a whole. The supplemental schedules of Assets Held (at end of year) as of December 31, 2000 and Reportable Transactions for the year ended December 31, 2000 are presented for the purpose of additional analysis and are not a required part of the basic financial statements but are supplementary information required by the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974. These supplemental schedules are the responsibility of the Plan's management. The supplemental schedules have been subjected to the auditing procedures applied in the audits of the basic financial statements and, in our opinion, are fairly stated in all material respects in relation to the basic financial statements taken as a whole.

/s/PricewaterhouseCoopers LLP
PricewaterhouseCoopers LLP

Kansas City, Missouri
June 13, 2001

Kansas City Power & Light Company
Cash or Deferred Arrangement Employee Savings Plus Plan
Statement of Net Assets Available for Benefits
December 31, 2000 and 1999

Assets	2000	1999
Investments at fair value:		
Kansas City Power & Light Stock Fund	\$ 82,878,309	\$ 69,163,105
UMB Money Market Account	5,081	-
Fidelity Managed Income Portfolio	10,037,206	10,154,490
Fidelity Puritan Fund	16,132,643	18,467,141
Fidelity Magellan Fund	49,359,823	59,177,346
Fidelity Asset Manager Fund	2,399,450	2,250,673
Fidelity OTC Portfolio	13,868,186	11,394,570
Fidelity Overseas Fund	3,851,672	3,429,599
Fidelity Blue Chip Growth Fund	7,112,761	5,766,495
Fidelity Freedom Income Fund	211,248	405,938
Fidelity Freedom 2000 Fund	349,173	323,014
Fidelity Freedom 2010 Fund	552,186	370,236
Fidelity Freedom 2020 Fund	680,385	459,730
Fidelity Freedom 2030 Fund	590,645	255,231
Loans to participants	5,206,983	5,476,981
	<hr/>	<hr/>
Total investments	193,235,751	187,094,549
	<hr/>	<hr/>
Receivables:		
Contributions:		
Employer	110,406	122,295
Employee	404,672	417,265
Loan payments from participants	88,509	95,699
	<hr/>	<hr/>
Total receivables	603,587	635,259
	<hr/>	<hr/>
Total net assets available for benefits	\$ 193,839,338	\$ 187,729,808
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The accompanying notes are an integral part of these financial statements.

Kansas City Power & Light Company
Cash or Deferred Arrangement Employee Savings Plus Plan
Statement of Changes in Net Assets Available for Plan Benefits
For the Years Ended December 31, 2000 and 1999

	2000	1999
Additions		
Investment income:		
Net depreciation in fair value of investments	\$ (2,779,150)	\$ (11,687,929)
Dividends	12,981,499	12,802,834
Interest:		
Money market	627,991	592,552
Loans	568,514	621,338
	<u>11,398,854</u>	<u>2,328,795</u>
Net investment income	11,398,854	2,328,795
	<u>11,398,854</u>	<u>2,328,795</u>
Contributions:		
Employee	10,132,046	9,075,626
Employer	2,809,009	3,196,149
Reimbursed commissions	85,832	68,560
	<u>13,026,887</u>	<u>12,340,335</u>
Total contributions	13,026,887	12,340,335
	<u>13,026,887</u>	<u>12,340,335</u>
Total additions	24,425,741	14,669,130
	<u>24,425,741</u>	<u>14,669,130</u>
Deductions		
Distribution to participants	17,934,430	9,150,620
Transfer to another plan	381,781	-
	<u>18,316,211</u>	<u>9,150,620</u>
Total deductions	18,316,211	9,150,620
	<u>18,316,211</u>	<u>9,150,620</u>
Net increase in net assets available for plan benefits	6,109,530	5,518,510
Net assets available for benefits:		
Beginning of year	187,729,808	182,211,298
	<u>187,729,808</u>	<u>182,211,298</u>
End of year	\$193,839,338	\$ 187,729,808
	<u>\$193,839,338</u>	<u>\$ 187,729,808</u>

The accompanying notes are an integral part of these financial statements.

1. Description of the Plan:

The following description of the Kansas City Power & Light Company Cash or Deferred Arrangement Employee Savings Plus Plan (the Plan) provides only general information. Participants should refer to the summary plan description for a more complete description of the Plan's provisions.

The Plan is designed to encourage and assist employees of Kansas City Power & Light Company (the Company) to adopt a regular savings and investment program for long-term needs, especially retirement. The Company is the plan administrator and United Missouri Bank, N.A. (UMB) is the trustee. The Administrative Committee is the fiduciary of the Plan and has the responsibility of establishing the rules under which the Plan is run.

The Plan is a contributory defined contribution plan available to permanent full- and part-time employees of the Company. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 (ERISA).

Prior to March 1, 2000, the Plan was also available to permanent full- and part-time employees of KLT Inc., KLT Power Inc., KLT Gas Inc. and KLT Telecom, Inc. Effective March 1, 2000, the Plan was amended to terminate the participation of employees of KLT Inc., KLT Power Inc., KLT Gas Inc. and KLT Telecom, Inc. The assets of these participants were transferred to a separate plan.

Eligibility and Employee Contributions

Employees are immediately eligible to make elective contributions to the Plan. Employees beginning employment during the first fifteen days of a month can begin participating in the Plan the first day of the following month. If an employee's first day of employment is after the fifteenth of the month, the employee is eligible to participate in the Plan the first day of the next following month.

Participants can contribute any whole percentage of their base pay from 2% to 15% (12% through December 31, 1999) to the Plan, except that contributions may not exceed the maximum allowable under the law. The maximum individual contribution allowed for the years ended December 31, 2000 and 1999 was \$10,500 and \$10,000, respectively. Other special limitations may reduce the participant elective and Company matching maximum contribution amounts for highly compensated employees.

Company Matching Contributions

The Company contributes an amount equal to 50% of the employee's elective contribution, not to exceed 3% of base pay, as defined in the Plan. Company contributions may be made in cash, Company stock, or a combination thereof. Company contributions are invested in the common stock of the Company at all times. The Company begins matching employee contributions when the employee completes one year of service.

Effective February 24, 1999, the Plan was amended to allow participants who have attained the age of 55 to transfer funds in their Company-Match Account to any investment fund offered under the Plan.

Rollovers

Participants may elect to transfer funds from another qualified retirement plan to the Plan, with permission from the Administrative Committee.

Vesting and Forfeitures

Participants are 100% vested in their elective contribution and rollover accounts at all times. Participants who retire after age 55, die or become totally and permanently disabled while an employee of the Company are considered 100% vested in the Company-Match Account, regardless of their length of service with the Company.

Vesting of the Company-Match Account for participants who leave the Company for a reason other than death, disability or retirement is based on years of service for vesting. A year of service for Plan purposes is defined as any year in which an employee completes at least 1,000 hours of service with the Company. Generally all years of service with the Company are taken into account in computing years of service for vesting. Participants who accrue two years of service prior to termination of employment are 20% vested. Participants are credited with 20% additional vesting each year thereafter, with full vesting after six years of service.

The portion of the Company-Match Account that is not vested is forfeited by terminating participants. Forfeitures are used to reduce future Company matching contributions. Forfeited benefits during the years ended December 31, 2000 and 1999 were \$22,317 and \$6,396, respectively. The Company used forfeiture credits of \$17,236 and \$15,092 during the years ended December 31, 2000 and 1999, respectively, to reduce the matching contributions.

Investment of Accounts

Investment of Elective Contribution and Rollover Accounts - Participants may direct (in 5% increments) the investment of their elective contribution and rollover accounts in one or more of the following 13 investment funds:

- Kansas City Power & Light Stock Fund
- Fidelity Managed Income Portfolio (MIP)
- Fidelity Puritan Fund
- Fidelity Magellan Fund
- Fidelity Asset Manager Fund
- Fidelity OTC Portfolio
- Fidelity Overseas Fund
- Fidelity Blue Chip Growth Fund
- Fidelity Freedom Income Fund
- Fidelity Freedom 2000 Fund
- Fidelity Freedom 2010 Fund
- Fidelity Freedom 2020 Fund
- Fidelity Freedom 2030 Fund

Plan Participants

The following summarizes the number of participants by fund (participant directed) as of December 31, 2000:

Kansas City Power & Light Company Stock Fund	786
Fidelity Managed Income Portfolio	278
Fidelity Puritan Fund	551
Fidelity Magellan Fund	1,110
Fidelity Asset Manager Fund	152
Fidelity OTC Portfolio	609
Fidelity Overseas Fund	281
Fidelity Blue Chip Growth Fund	446
Fidelity Freedom Income Fund	14
Fidelity Freedom 2000 Fund	15
Fidelity Freedom 2010 Fund	34
Fidelity Freedom 2020 Fund	66
Fidelity Freedom 2030 Fund	99

Participants also have the opportunity to change how their past savings in their elective and rollover accounts are invested. Participants can make such changes on a daily basis. Participants making such elections will have their fund shares sold, the proceeds transferred and fund shares purchased per their request.

The nonparticipant-directed portion of the Kansas City Power & Light Stock Fund consisted of 1,509,085 shares valued at \$41,406,274 and 1,463,798 shares valued at \$32,295,036 at December 31, 2000 and 1999, respectively.

Allocation of Investment Income

The trustee allocates investment income based on the shares held by participants in their individual accounts. Individual accounts are valued on each business day by the trustee to reflect the current market value of the investments.

If contributions or participant transfers received by the trustee cannot be immediately invested in the investment funds, the moneys are held in short-term investment funds under the trustee's control (see Related Party and Party-In-Interest Transactions). Some distributions may also be invested in the money market fund prior to payment to the participant. Any interest earned is allocated back to the investment accounts based on the amounts originally transferred.

Termination Payments

Participants who leave the Company as a result of termination, retirement or permanent disability may receive the entire amount of their account in one lump-sum payment, rollover their account to another trustee or elect to defer distribution until age 62 or retirement, whichever is later. Upon death, distributions will be made to beneficiaries in a lump sum or in installment payments over a

period of no more than three years. Payment will commence no later than 60 days after the December 31 coinciding with or next following the date of the participant's death.

Terminated employees may elect to defer their distribution until age 62. The deferred totals for participants not required to receive distributions the next calendar year were \$8,881,484 and \$8,409,530 as of December 31, 2000 and 1999, respectively.

Loans to Participants

The Plan allows participants to borrow against their vested account balance to obtain either an installment or residential loan. Other than by obtaining a loan, the Plan does not provide for in-service withdrawals from elective accounts, rollover accounts or Company-Match Accounts. Distributions are made only upon retirement, disability, termination of employment or death.

An installment loan may be used for any purpose, whereas a residential loan must be used for the purchase of the participant's primary residence. The maximum loan terms for installment and residential loans are five and fifteen years, respectively. A participant may have no more than one of each type of loan outstanding at the same time.

For all loans issued through October 1989, if the participant's account balance was \$20,000 or less, a maximum of 80% of the vested account balance, not to exceed \$10,000, could be borrowed. If the account balance was more than \$20,000, 50% of the vested account balance, not to exceed \$50,000, could be borrowed. The interest rate for these loans was based on the Fidelity GIC Group Trust interest rate of 8.31%.

For loans issued after November 1, 1989, the maximum amount that a participant can borrow is 50% of their vested account balance, not to exceed \$50,000. The interest rate for these loans is UMB's prime rate plus 2%. The minimum amount a participant can borrow is \$1,000.

Principal and interest on all loans is repaid to the participant's individual accounts based on their current contribution allocation election. All loans are repaid by payroll deduction except when paid in full in advance or the unpaid principal is deducted from a total distribution which results from a death, disability, retirement or termination.

Commissions and Administrative Expenses

During the years ended December 31, 2000 and 1999, commissions were \$85,832 and \$68,560, respectively. Commissions paid by the Plan for purchases and sales of Company common stock are netted against distributions and contributions and reimbursed by the Company.

Administrative expenses are also paid by the Company. During the years ended December 31, 2000 and 1999, a net of \$89,669 and \$72,479, respectively, in costs for the administration of the Plan were paid by the Company.

Related-Party and Party-In Interest Transactions

The trustee is authorized under contract provisions and ERISA regulations to invest in funds under its control and in securities of the Company.

During the year ended December 31, 2000, purchases and sales in the Kansas City Power & Light Stock Fund under the trustee's control totaled \$15,939,662 and \$18,672,205, respectively. During the year ended December 31, 1999, purchases and sales in the Kansas City Power & Light Stock Fund under the trustee's control totaled \$14,540,933 and \$11,889,397, respectively.

During the year ended December 31, 2000, there were 739 purchases and 746 sales in the UMB Money Market Fund totaling \$21,852,688 and \$21,994,396, respectively relating to temporary cash balances invested in short-term investment funds under the trustee's control. There were 689 purchases and 676 sales in the UMB Money Market Fund totaling \$18,513,010 and \$18,578,271, respectively, during the year ended December 31, 1999.

2. Summary of Significant Accounting Policies:

Basis of Accounting

The financial statements of the Plan are prepared under the accrual basis of accounting.

Valuation of Investments

Investments of the Plan are valued at fair value based on quoted market prices on the last business day of the plan year. Loans to participants are valued based on outstanding principal amounts owed on the last business day of the plan year as reported to the Plan by the trustee.

Use of Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the amounts reported in the financial statements and accompanying notes. Actual results could differ from those estimates.

Net Appreciation (Depreciation) in Fair Value of Investments

The Plan presents in the statement of changes in net assets available for benefits the net appreciation (depreciation) in the fair value of its investments which consists of the realized gains or losses and the unrealized appreciation (depreciation) on those investments.

3. Investments:

The Plan's investments are held by UMB. During the years ended December 31, 2000 and 1999, the Plan's investments (including investments bought and sold, as well as held, during the year) appreciated (depreciated) in fair value as follows:

	Realized and Unrealized Net Appreciation (Depreciation) in Fair Value During Year Ended December 31, 2000	Realized and Unrealized Net Appreciation (Depreciation) in Fair Value During Year Ended December 31, 1999
Investments at fair value as determined by quoted market price:		
Kansas City Power & Light Stock Fund	\$ 16,652,706	\$ (22,692,927)
UMB Money Market Account	-	-
Fidelity Investment Funds:		
Managed Income Portfolio	-	-
Puritan Fund	(230,166)	(975,391)
Magellan Fund	(7,541,977)	6,470,693
Asset Manager Fund	(220,838)	116,534
OTC Portfolio	(8,680,372)	3,640,409
Overseas Fund	(1,313,263)	801,664
Blue Chip Growth Fund	(1,199,985)	801,054
Freedom Income Fund	(8,562)	4,624
Freedom 2000 Fund	(38,445)	17,166
Freedom 2010 Fund	(39,585)	37,939
Freedom 2020 Fund	(80,264)	55,799
Freedom 2030 Fund	(78,399)	34,507
	<u>(2,779,150)</u>	<u>(11,687,929)</u>
Investments at estimated fair value:		
Loans to participants 7.75% to 12%	-	-
	<u>\$(2,779,150)</u>	<u>\$(11,687,929)</u>

4. Income Tax Status:

The Plan has received a determination letter from the Internal Revenue Service dated July 16, 1998 stating that the Plan is qualified under Section 401(1) of the Internal Revenue Code (the Code) and, therefore, the related trust is exempt from taxation. Once qualified, the Plan is required to operate in conformity with the Code to maintain its qualification. The Plan has been amended since receiving the last tax determination letter. However, the Administrative Committee believes the Plan is being operated in compliance with the applicable requirements of the Code and, therefore, believes that the Plan is qualified and the related trust is tax exempt.

5. Form 5500:

The Form 5500 has not yet been completed for the year ended December 31, 2000.

SUPPLEMENTAL SCHEDULES

Kansas City Power & Light Company
Cash or Deferred Arrangement Employee Savings Plus Plan
Schedule H, Line 4i - Schedule of Assets Held (at end of year)
December 31, 2000

Identity of Issuer	Number of Shares or Units	Cost	Current Value
Corporate Stocks:			
Kansas City Power & Light Company*	3,020,567	\$ 73,326,884	\$ 82,878,309
Registered Investment Companies:			
UMB Money Market Account*	5,081	5,081	5,081
Fidelity Managed Income Portfolio	10,037,206	10,038,665	10,037,206
Fidelity Puritan Fund	856,752	15,073,947	16,132,643
Fidelity Magellan Fund	413,745	38,114,090	49,359,823
Fidelity Asset Manager Fund	142,655	2,553,492	2,399,450
Fidelity OTC Portfolio	337,836	18,426,592	13,868,186
Fidelity Overseas Fund	112,065	4,268,568	3,851,672
Fidelity Blue Chip Growth Fund	138,031	7,597,229	7,112,761
Fidelity Freedom Income Fund	18,912	213,637	211,248
Fidelity Freedom 2000 Fund	29,566	376,484	349,173
Fidelity Freedom 2010 Fund	39,898	565,511	552,186
Fidelity Freedom 2020 Fund	46,730	731,964	680,385
Fidelity Freedom 2030 Fund	39,376	645,487	590,645
Loans to participants, 7.75% to 12%		-	5,206,983
		<u>\$ 171,937,631</u>	<u>\$ 193,235,751</u>

*Party-in-interest to the Plan.

Kansas City Power & Light Company
Cash or Deferred Arrangement Employee Savings Plus Plan
Schedule H, Line 4j - Schedule of Reportable Transactions*
For the Year Ended December 31, 2000

Identity of Party Involved	Description of assets	Purchase price	Selling price	Expense incurred with transaction	Cost of asset	Current value of asset on transaction Date	Net gain
UMB Bank, N.A. **	Money market account	\$21,852,688	\$ -	\$ -	\$21,852,688	\$21,852,688	\$ -
UMB Bank, N.A. **	Money market account	-	21,994,396	-	21,994,396	21,994,396	-
UMB Bank, N.A. **	Kansas City Power & Light Company Stock Fund	15,939,662	-	39,766	15,979,428	15,979,428	-
UMB Bank, N.A. **	Kansas City Power & Light Company Stock Fund	-	18,672,205	46,070	17,492,619	18,626,135	1,133,516

* Any single transaction within the plan year that involves more than 5% of the current value of plan assets or any series of transactions within the plan year with or in conjunction with the same person that, when aggregated, involves more than 5% of the current value of plan assets.

** Party-in-interest to the Plan.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Administrative Committee of the Employee Savings Plus Plan has duly caused this annual report to be signed on its behalf by the undersigned hereunto duly authorized.

EMPLOYEE SAVINGS PLUS PLAN

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(By: /s/B. M. Tate
(B. M. Tate, Chairman
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(By: /s/F. L. Branca
(F. L. Branca, Member
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(By: /s/J. S. Latz
(J. S. Latz, Member

June 28, 2001

Consent of Independent Accountants

We hereby consent to the incorporation by reference in the Registration Statement on Form S-8 (File No. 333-32636) of Kansas City Power & Light Company of our report dated June 13, 2001, relating to the financial statements and supplemental schedules of the Kansas City Power & Light Company Cash or Deferred Arrangement Employee Savings Plus Plan, which appears in this Form 11-K.

/s/PricewaterhouseCoopers LLP
PricewaterhouseCoopers LLP

Kansas City, Missouri
June 26, 2001