



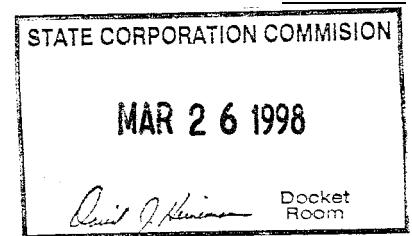
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Kansas Corporation Commission
/S/ David J. Heinemann

Susan B. Cunningham
Staff Attorney

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March 23, 1998

Mr. David J. Heinemann
Executive Director
Kansas Corporation Commission
1500 SW Arrowhead Road
Topeka, KS 66604-4027



RE: Docket No. 97-GIME-483-GIE

Dear Mr. Heinemann:

Enclosed for filing with the Commission in the above-referenced matter are the original and 7 copies of Kansas City Power & Light Company's annual line clearance filing. A copy of the foregoing filing has been hand-delivered or mailed this date to parties of record.

Please bring this filing to the attention of the Commission.

Thank you for your assistance.

Sincerely,

A handwritten signature in cursive script that reads "Susan B. Cunningham".

Susan B. Cunningham

Enclosures

c: Parties of Record

KANSAS CORPORATION COMMISSION
DOCKET NO. 97-GIME-483-GIE
KANSAS CITY POWER & LIGHT CO.
LINE CLEARANCE INFORMATION

The following line clearance information for Kansas City Power & Light Co. is provided in response to the above referenced docket for the annual reporting requirement.

A. Annual tree trimming expenditures:

<u>Year</u>	<u>Total</u>	<u>Year</u>	<u>Kansas Total</u>
1997	\$7,698,535	1997	\$2,903,732
1996	\$6,823,838	1996	\$2,574,182
1995	\$6,706,638	1995	\$2,402,187
1994	\$5,973,833	1994	\$1,809,847

B. Annual hours of labor devoted to trees trimmed and removed:

<u>Year</u>	<u>Total</u>	<u>Year</u>	<u>Kansas Total</u>
1997	182,570	1997	66,518
1996	194,162	1996	69,633
1995	189,794	1995	68,041
1994	172,052	1994	50,131

C. Annual performance statistics for trees trimmed and removed:

Totals:

<u>Year</u>	<u>Trim Units</u>	<u>Remove Units</u>	<u>Total Units</u>	<u>Total Units/MH</u>
1997	188,634	44,760	233,394	1.27
1996	184,697	55,169	239,866	1.23
1995	206,911	32,031	238,942	1.25
1994	192,673	37,896	230,569	1.41

Total Kansas annual performance statistics for trees trimmed and removed:

<u>Year</u>	<u>Trim Units</u>	<u>Remove Units</u>	<u>Total Units</u>	<u>Total Units/MH</u>
1997	79,657	8,698	88,355	1.32
1996	86,185	8,523	94,708	1.36
1995	77,342	7,839	85,181	1.25
1994	64,606	6,122	70,728	1.41

D. SAIFI, SAIDI and CAIDI (Normalized does not include Class III and IV storms per attached) :

	SAIFI Normalized	SAIFI Unnormalized	SAIDI Normalized	SAIDI Unnormalized	CAIDI Normalized	CAIDI Unnormalized
1997	0.66	0.70	41.95	48.42	63.11	69.01
1996	0.65	1.18	54.02	183.54	82.86	155.42
1995	0.64	0.94	47.35	119.53	74.10	126.82
1994	0.50	0.61	37.40	86.42	74.38	141.05

E. Annual hours of labor devoted to brush removed (Any tree less than 4" in diameter is considered brush):'

Year	Total Brush/MH	Kansas Brush/MH
1997	62,248	25,254
1996	50,322	19,145
1995	43,829	14,664
1994	44,732	15,024

¹ Brush removal statistics included to account for increase in 1997 annual tree trimming expenditures compared to annual hours of labor devoted to tree trimming and removal.

SERP

Storm Condition Analysis

Defining Classes of Storms

STORM CONDITION III

This is extensive, wide spread system damage caused by a significantly more severe storm than Condition II, such as a severe summer thunderstorm accompanied by high winds. Service would be interrupted to 15,000-50,000 customers in the Metro area, 425 to 1,416 customers in the East District and 818 to 2,726 customers in the South District and restoration activities would last 24-48 hours. Service restoration requires all Operations & Maintenance and Construction & Maintenance personnel and outside help from contractors. The level of this storm damage requires that certain additional planning and organization be provided for maximum efficiency of restoration and may include the decentralization of restoration activities. Since the damage to the system could be localized, decentralization will take place at each service center as required.

STORM CONDITION IV

This is the most severe system damage caused by a storm, such as a tornado, ice storm, or unusually severe summer thunderstorm. There would be extensive damage to the distribution system as well as transmission and possibly substation facilities. This level of storm damage will require a large amount of outside help and will require that the restoration effort be performed in a decentralized mode for maximum efficiency. Many non-essential activities will be suspended during this condition. Service would be interrupted to at least 50,000 customers in the Metro area, 1,416 customers in the East District and 2,726 customers in the South District and restoration activities would last more than 48 hours.