

Exhibit No.:  
Issue: Rate Case History;  
Cost of Service;  
Allocations

Witness/Type of Exhibits: Kite Direct

Sponsoring Party: KCPL  
Case No.: HO-86-139

DIRECT TESTIMONY OF

Ronald A. Kite

ON BEHALF OF

KANSAS CITY POWER & LIGHT COMPANY

CASE NO. HO-86-139

**OFFICIAL CASE FILE**  
**RECORDS SERVICE DIVISION**

EXHIBIT NO. 4  
DATE FILED 10/1/87 CASE NO. HO-86-139  
BY [Signature]

DIRECT TESTIMONY  
OF  
RONALD A. KITE  
Supervisor, Rate Department  
KANSAS CITY POWER & LIGHT COMPANY

Case No. HO-86-139  
(October, 1986)

1 Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.

2 A. Ronald A. Kite, 1330 Baltimore, Box 679, Kansas City, Missouri 64141.

3 Q. BY WHOM ARE YOU EMPLOYED AND IN WHAT CAPACITY?

4 A. I am employed by Kansas City Power & Light Company ("KCPL" or "Compa-  
5 ny") as a Supervisor in the Rate Department reporting to Mr. Bruce R.  
6 Knodel, Manager of Economic Research.

7 Q. WHAT IS YOUR EDUCATIONAL AND PROFESSIONAL BACKGROUND?

8 A. I graduated in 1978 from Kansas State University with a Bachelor of  
9 Science degree in Nuclear Engineering. In 1979, I graduated from  
10 Kansas State University with a Masters of Business Administration  
11 degree. I have attended EPRI's Costs and Rates Workshop. I have been  
12 employed by KCPL since 1979, initially as a Rate Engineer in both the  
13 Cost-of-Service and Rate Administration sections. In August, 1982, I  
14 became a Supervisor in the Rate Department. I have previously pre-  
15 sented testimony to the Missouri Public Service Commission in Case  
16 Nos. ER-83-49, HR-83-245, and ER-85-128. I have also presented  
17 testimony to the Federal Energy Regulatory Commission in Docket Nos.  
18 ER82-468, ER83-548, ER83-610, ER85-273 and ER86-701 and to the Kansas

1 Corporation Commission in Docket Nos. 137,177-U, 142,099-U and  
2 150,368-U.

3 Q. ARE YOU A REGISTERED PROFESSIONAL ENGINEER?

4 A. Yes, in the State of Kansas.

5 Q. WHAT ARE YOUR DUTIES AND RESPONSIBILITIES AS SUPERVISOR OF THE  
6 COST-OF-SERVICE SECTION?

7 A. My duties include cost-of-service studies, engineering evaluation  
8 studies, jurisdictional allocations, design and interpretation of  
9 rates, and fair value studies.

10 Q. MR. KITE, WHAT IS THE PURPOSE OF YOUR TESTIMONY IN THIS PROCEEDING?

11 A. I will present evidence on the following:

12 1. The allocation of plant and expenses to the Company's Missouri  
13 steam customers.

14 2. The history of plant allocations to the Company's Missouri steam  
15 customers.

16 3. The fair value of steam plant in service.

17 4. The test year level of steam revenue and various adjustments.

18 5. I sponsor KCPL Exhibit No. (BAR), Schedules 1 through 8. I also  
19 sponsor steam adjustments 1 and 5 and pro forma adjustment No. 1.

1 Q. PLEASE EXPLAIN WHY ALLOCATIONS ARE NECESSARY TO THE RATEMAKING PROCESS  
2 IN THIS CASE.

3 A. An allocation of plant and expenses is required to determine the costs  
4 that are incurred by KCPL in providing steam service. When facilities  
5 are dedicated to steam service, a specific assignment of those facil-  
6 ities to the steam jurisdiction can be performed. For some costs,  
7 however, specific assignment is not possible because the cost incurred  
8 in providing service to both steam and electric jurisdictions cannot  
9 be directly assigned to either type of service. In these cases  
10 allocations are performed based upon allocation factors which measure  
11 the relative cost responsibility of the steam jurisdiction.

12 Q. PLEASE DESCRIBE THE COST-OF-SERVICE PROGRAMS AS USED IN ALLOCATING  
13 COST OF SERVICE IN THIS CASE.

14 A. KCPL has a cost-of-service program which enables the allocation to  
15 steam operations of each of the Company's plant and expense accounts  
16 stated on a total company adjusted basis. This program allows for  
17 allocations by allocation factors or in proportion to a line or group  
18 of lines which reflects the cost responsibility of the steam system.

19 Q. HAS THE COMPANY FILED THE COST-OF-SERVICE PROGRAM OUTPUT IN THIS CASE?

20 A. No. While the output is used to prepare some of the Company's testi-  
21 mony and exhibits, the output has not been filed with the case due to  
22 its volume. A copy can be provided to parties in this case upon  
23 request. A summary which reflects the end result of the plant allo-  
24 cations is attached as Exhibit \_\_\_ (RAK), Schedule I.

25 Q. PLEASE DISCUSS BRIEFLY THE SOURCE OF THE DATA USED IN THE COST-OF-  
26 SERVICE PROGRAM.

1 A. The starting point of the allocation process, the total company plant  
2 and expense accounts, is listed in Column 601 of the cost-of-service  
3 program. Data for column 601 and data for column 602, adjustments to  
4 system totals to produce test year cost of service, are primarily  
5 provided by Mr. Steven Catron, Manager of Regulatory Accounting. The  
6 adjusted test year expenses and plant investments produced by adding  
7 the adjustments in column 602 to the total company amounts in column  
8 601 are indicated in column 603. Column 604 indicates the expenses  
9 and plant investment which are allocated to steam service.

10 Q. WHAT IS THE BASIS OF YOUR ALLOCATION OF GRAND AVENUE STATION PROPERTY  
11 TO STEAM SERVICE?

12 A. Grand Avenue Station property is directly assigned to steam service  
13 based on dedication of these facilities to steam service. This  
14 property is now booked in direct steam accounts 710 to 716.

15 Q. IS THERE SOME PLANT IN SERVICE OTHER THAN THE GRAND AVENUE STATION,  
16 WHICH IS DIRECTLY CHARGEABLE TO THE STEAM DEPARTMENT?

17 A. Yes. Accounts 760 through 798 are directly chargeable to the Steam  
18 Department. Accounts 760, 761 and 762 reflect the cost of  
19 desuperheating stations for the steam system; account 766 reflects the  
20 cost of the steam distribution system; accounts 769 and 770 reflect  
21 the cost of services and meters; and accounts 791, 794 and 798 reflect  
22 the general plant facilities for the direct steam accounts.

23 Q. HAVE ANY ELECTRIC FACILITIES BEEN ALLOCATED TO THE STEAM JURISDICTION?

24 A. Yes.

1 Q. WHAT IS THE BASIS FOR THE ALLOCATION OF ELECTRIC PRODUCTION AND  
2 TRANSMISSION PLANT TO THE STEAM JURISDICTION?

3 A. Allocations of electric production and transmission facilities are  
4 performed by including the Grand Avenue Station auxiliary loads and  
5 energy usage in the computation of our production demand allocation  
6 factor, energy allocation factor and transmission demand allocation  
7 factor. This is required since Grand Avenue Station's auxiliary power  
8 and energy is supplied from the electric system.

9 Q. PLEASE DISCUSS THE DEVELOPMENT OF THE PRODUCTION DEMAND ALLOCATION  
10 FACTOR AND THE TRANSMISSION DEMAND ALLOCATION FACTOR.

11 A. The demand allocation methodologies use the 4-coincident peak  
12 allocation procedure based on peak demands during the four summer  
13 months of June, July, August and September. The KCPL monthly system  
14 peaks for 1985 have been adjusted to reflect the estimated coincident  
15 electric loads at Grand Avenue Station associated with supplying steam  
16 heat service. Grand Avenue electric production facilities were  
17 retired in 1985 requiring the station to begin taking its auxiliary  
18 electric power and energy from the system. The production demand  
19 allocation factor is the ratio of the sum of the estimated coincident  
20 Grand Avenue loads to the sum of the peak system loads adjusted for  
21 Grand Avenue auxiliaries for the four summer months. The transmission  
22 demand allocation factor is calculated in a similar manner except the  
23 contract transmission demands are included in the system loads.

24 Q. WHAT IS THE BASIS FOR THE ALLOCATION OF GENERAL PLANT IN ACCOUNTS 390  
25 TO 398 TO STEAM SERVICE?

26 A. Each general plant account was analyzed to determine the cost respon-  
27 sibility of the Steam Department. General plant located at Grand

1 Avenue is assigned to steam service. Most general plant facilities  
2 which serve the total KCPL system but are not located at Grand Avenue,  
3 such as the Downtown Office Buildings on Baltimore Avenue and the  
4 Central Operating Headquarters on Front Street, are allocated based on  
5 the ratio of allocated steam heat plant to total plant in service  
6 excluding general plant and intangible plant.

7 Q. WHAT IS THE BASIS FOR THE ALLOCATION OF INTANGIBLE PLANT TO STEAM  
8 SERVICE?

9 A. Intangible plant in Account 301 is allocated on the basis of the ratio  
10 of allocated steam heat plant to total plant in service excluding  
11 intangible plant.

12 Q. PLEASE DESCRIBE THE SPECIFIC ALLOCATION TO STEAM SERVICE OF ITEMS  
13 OTHER THAN PLANT.

14 A. Grand Avenue Station operations and maintenance expense, fuel expense,  
15 property taxes and depreciation expense are directly assigned to steam  
16 service. The steam expense accounts are directly assigned to steam  
17 service. Electric production, transmission and distribution operation  
18 and maintenance expenses are allocated to steam service in proportion  
19 to the electric plant. Depreciation expenses are allocated in propor-  
20 tion to plant allocations. Electric administrative and general  
21 expenses are allocated to steam service in proportion to steam cost  
22 responsibility as a share of the total company costs. For example,  
23 employee benefits are allocated in proportion to salaries. Similarly,  
24 other electric expenses such as taxes other than income taxes, accu-  
25 mulated deferred taxes, and working capital are allocated in the  
26 cost-of-service program based on a line or group of lines which

1 reflect the costs of steam service as a portion of total company  
2 costs.

3 Q. HAS KCPL ALWAYS USED THIS ALLOCATION METHODOLOGY?

4 A. No. KCPL's allocation methodology has been revised somewhat over the  
5 years to reflect changes in the physical arrangements of steam service  
6 to the downtown area.

7 Q. PLEASE DISCUSS THE HISTORY OF STEAM ALLOCATIONS.

8 A. In order to discuss the history of steam allocations it is necessary  
9 to have some background in the physical development of the steam  
10 system.

11 Q. PLEASE BRIEFLY DESCRIBE THE HISTORY OF THE STEAM SYSTEM DEVELOPMENT.

12 A. Some distribution of steam for heating was initiated by the Kansas  
13 City Electric Light Company and the Edison Electric Light & Power  
14 Company (predecessors of KCPL) as early as 1888 from their first  
15 incandescent light plant at 604 Wall Street (now 604 Baltimore). The  
16 sale of steam which was normally a by-product from supplying incandes-  
17 cent lighting service, experienced enough success that the district  
18 steam heating system for downtown Kansas City, Missouri was organized  
19 in 1905 with the formation of the Kansas City Heating Company. The  
20 604 Wall Street Station became Heating Station No. 1.

21 In 1907 an additional plant was built for steam service at 1312  
22 Baltimore. In 1917 growth in sales required the addition of a plant  
23 just west of the 1312 Baltimore Station at 1311 Wyandotte. The two  
24 stations were interconnected and operated jointly as Heating Station  
25 No. 2. These two heating stations, No. 1 at the north end of the

1 system and No. 2 at the south end of the system, supplied low and  
2 intermediate pressure steam to the downtown system until 1929.

3 By 1929 the above Companies had been reorganized considerably.  
4 The Kansas City Electric Light Company had been purchased by the  
5 Metropolitan Street Railway Company in 1900. In 1903 the Kansas City  
6 Railway and Light Company had been organized as a holding company for  
7 the electric, steam and railway companies. That following year the  
8 Kansas City Railway and Light Company completed the Missouri River  
9 Power House at 2nd and Grand. In the early 1910's the companies were  
10 placed in receivership by the holding company with the resulting  
11 formation of a new company, the Kansas City Light & Power Company,  
12 being organized on February 15, 1916 to assume ownership of all  
13 electric light properties. In 1919 refinancing of the Kansas City  
14 Light & Power Company due to the financial strains from construction  
15 of Northeast Station, resulted in the reincorporation of the Company  
16 as the Kansas City Power & Light Company.

17 In 1927 the Company purchased the Missouri River Power House from  
18 the Kansas City Public Service Company. This plant, which became  
19 known as Grand Avenue Station, underwent extensive modernization and  
20 was used as a base load unit on KCPL's system. Key to the steam  
21 system, however, was the availability of Grand Avenue Station to  
22 supply economical steam for the heating district as a joint product of  
23 electric generation. A high pressure 185 psi steam line was built  
24 from Grand Avenue Station to Heating Station No. 1 at 604 Baltimore  
25 and pressure reducing equipment was installed. With the completion of  
26 this construction in 1929, Grand Avenue Station began supplying part  
27 of the steam for the downtown steam system. The 40 year old equipment  
28 at Heating Station No. 1 was no longer needed to produce steam. The  
29 following year the high pressure line was extended to 10th and McGee.

1           Therefore, the steam system in place in 1929 when Grand Avenue  
2 became a steam source was essentially two systems from two sources  
3 which were not interconnected. The first source, Heating Station No.  
4 2 supplied five intermediate pressure customers and low pressure steam  
5 in the southern part of downtown. The second source, the Grand Avenue  
6 Station supplied both high and low pressure steam to the north part of  
7 downtown. This arrangement did not change until the 1950's.

8           In the 1950's, the Company began making major improvements to the  
9 steam system. This was prompted by the growth in steam sales, the  
10 addition of the base load units at Hawthorn Station (Units 1 to 4) and  
11 Montrose Unit 1, and Grand Avenue's change to peaking service. The  
12 new capacity, along with the Company becoming a summer peaking  
13 electric utility in 1952 and indications of the summer peak becoming  
14 more predominant, would allow the Grand Avenue Station to supply the  
15 entire steam load which peaked in the winter. Supplying the entire  
16 steam load from Grand Avenue was also attractive due to the economics  
17 of steam service and the age of Heating Station No. 2.

18           Therefore, in 1954 the high pressure line was extended from 10th  
19 and McGee to 14th and Baltimore to a new pressure reducing station in  
20 the basement of the Company's garage. This became Heating Station No.  
21 3 and allowed the nearby Heating Station No. 2 to be reserved for  
22 peaking purposes only. In 1958 a second high pressure line was built  
23 from Grand Avenue Station to Station No. 1 at 6th and Baltimore and  
24 then extended to Station No. 3 at 14th and Baltimore. This completed  
25 a continuous high pressure loop around the steam service area allowing  
26 a two-way feed to the steam system. In 1958 Grand Avenue was made the  
27 sole source of steam and the Heating Station No. 2 at 13th and  
28 Baltimore was retired.

1           Even with the Grand Avenue Station providing all the steam it was  
2 still primarily an electric generating unit with steam as a joint  
3 product. In 1950 the Grand Avenue Station was rated at 165 MW. The  
4 steam loads at Grand Avenue Station became a more significant share of  
5 the total as the electric plant was derated to about 115 MW in the  
6 late 1960's, to 99 MW from 1973 to 1976 and to 70 MW from 1977 to  
7 1984, except for a 40 MW rating in 1982. Finally, all electric  
8 generation at Grand Avenue was retired in 1985 upon the commencement  
9 of commercial operations at Wolf Creek.

10 Q. PLEASE BRIEFLY DESCRIBE HOW THE CHANGES IN THE GRAND AVENUE PLANT  
11 OPERATIONS WHICH YOU HAVE DESCRIBED AFFECTED THE ALLOCATION METHOD-  
12 OLOGIES FOR THE STEAM SYSTEM.

13 A. I have tracked the allocation history back to the 1950 steam rate  
14 case. In Case No. 12,040, the allocation of the Grand Avenue Station  
15 to steam service was based upon the maximum non-coincident peak heat  
16 requirements (BTU/hr) for the electric and steam operations for each  
17 of twelve months. The data used for each month was the maximum load  
18 on the station for that month in the prior three years. Loads in  
19 pounds per hour were converted to heat requirement in BTU/hr for each  
20 month. The resulting twelve months of data was averaged to determine  
21 an allocation factor. The boiler plant allocation used in the 1950  
22 case was 5.82% to steam service. This methodology was also used in  
23 the 1951 and 1954 electric cases.

24           In the 1957 rate case the allocation methodology was revised to  
25 reflect three changed conditions. First, KCPL had become summer  
26 peaking in 1952 and it was anticipated that the summer peak would  
27 become more predominant as air conditioning use became more common.  
28           Second, the addition of base load units at Hawthorn and Montrose

1 required Grand Avenue Station to change in the loading order to  
2 peaking status. Third, starting in 1958 Grand Avenue Station was to  
3 become the sole source of steam to the downtown steam heat system.  
4 Given these changes in the KCPL system and the role of Grand Avenue  
5 station the allocation methodology was modified to reflect the season-  
6 al peaking nature of both the electric load and the steam loads on the  
7 Grand Avenue Station. The new methodology used the single maximum  
8 electric peak capability for the electric system and the single  
9 maximum steam heat peak for the three summer months of June, July and  
10 August for the prior three years. Again the steam flows were convert-  
11 ed to heat content in BTU/hr for allocation purposes. Therefore, the  
12 allocation was based on the total non-coincident summer steam peak and  
13 summer electric peak heat requirements. This methodology continued to  
14 reflect that Grand Avenue Station was primarily an electric facility  
15 and was able to supply steam as a joint product. The boiler plant  
16 allocation factor in the 1957 case was 4.05% to steam service. This  
17 allocation methodology was used by the Company through the 1973 steam  
18 rate case, Case No. 17,801. In electric Case No. 17,661, the  
19 Commission ordered the Company and Staff to determine a steam  
20 allocation basis to be used in future cases. In the 1973 steam rate  
21 case, the Staff proposed a methodology which averaged electric and  
22 steam department heat requirements for twelve months; however, the  
23 Commission rejected that methodology.

24 In the following steam case, Case No. 18,463 filed in 1975, KCPL  
25 proposed and Staff supported a modified methodology which would  
26 allocate Grand Avenue based on the heat requirements of the electric  
27 equipment at maximum capability and the average peak heat requirement  
28 of the steam system for the twelve months of the test year. This  
29 modification was proposed due to the anticipated future deratings of

1 Grand Avenue Station electric capacity. It was believed that this  
2 modified methodology would shift the cost responsibility to the steam  
3 customers in a gradual manner as electric generation was phased out at  
4 Grand Avenue Station over a number of years. At the time it was  
5 expected that Grand Avenue would be rated at 40 MW in 1980. The  
6 Commission accepted this methodology and affirmed it again in their  
7 Order in the next rate case, Case No. ER-77-118:

8 " ...In Company's last case before the Commission,  
9 Company proposed and the Commission accepted a further  
10 modification in allocation method because of Company's  
11 position that Grand Avenue was in the process of being  
12 derated until the day would come that the plant would be  
13 used exclusively for producing steam heat.

14 The Commission in that case accepted Company's proposal  
15 because the Commission ruled that steam heat users should  
16 experience the effects of this transition gradually over a  
17 period of years rather than all at once at some point in the  
18 future. Intervenor steam users' witness testified that the  
19 plant is still used for peaking as evidenced by the relative  
20 use of the two types of customers on system peak and even as  
21 the plant is derated, it will be many years before steam  
22 heat usage on Company peak will be equal to or greater than  
23 the steam used for generating electricity on peak. The  
24 Commission finds that the allocation method accepted in that  
25 case, which is also the method employed by Company and  
26 accepted by Staff in the instant case, is still proper."  
27 (Report and Order, p. 59)

28 This agreed upon methodology was continued by KCPL through the last  
29 steam rate case which the Company filed in January 1983, Case No.  
30 HR-83-245, later withdrawn on August 8, 1983. However, the Grand  
31 Avenue Station allocations were an issue in Case No's. ER-82-66 and  
32 HR-82-67 and again in the 1983 electric rate Case No. ER-83-49. While  
33 Staff proposed alternate steam allocation methods in those cases, the  
34 Commission continued to accept the method which had been first agreed  
35 upon in Case No. 18,463.

36 In ER-85-178 the Company proposed and the Commission accepted the

1 allocation of Grand Avenue Station 100% to Steam heat to reflect the  
2 dedication of the facilities to steam service after the commencement  
3 of commercial operation at Wolf Creek.

4 Q. PLEASE DESCRIBE YOUR SCHEDULE 2.

5 A. Schedule 2 summarizes some of the significant data for steam cases  
6 back to 1950. The effect of the allocation changes can best be  
7 illustrated by looking at the column for boiler plant allocation  
8 factors. This factor declined from 1950 to 1957 when the Company  
9 changed allocation methodology from a multiple peak allocation to the  
10 single peak. Then, in Case No. 17,801, the factor increased as the  
11 unit was derated and increased again in Case No. 18,463 when the  
12 Company and Staff compromise method was implemented. In Case  
13 HR-83-245 another significant change occurred as the unit was again  
14 derated.

15 Q. HAVE YOU PREPARED A FAIR VALUE STUDY OF PLANT IN SERVICE FOR THIS  
16 CASE.

17 A. Yes. Attached as Exhibit \_\_\_\_ (RAK), Schedule 3 is a summary of the  
18 fair value plant in service.

19 Q. PLEASE BRIEFLY DESCRIBE YOUR COMPUTATION OF THE FAIR VALUE FOR THE  
20 TOTAL PLANT IN SERVICE AND THE STEAM HEAT PLANT IN SERVICE.

21 A. Fair value is a weighted composite of net original cost and the  
22 current value of plant in service. The weighting factors are derived  
23 from the capital structure of the Company as presented by Mr. John  
24 DeStefano in his testimony. The portion of fixed obligation financ-  
25 ing, debt and preferred stock, is applied to the net original cost of  
26 KCPL's property; while, the portion of common equity in KCPL's capital

1 structure is applied to the current value of KCPL's property. This  
2 weighting recognizes that the risk portion of the capital structure,  
3 common equity, is affected by inflation, and that the stockholders  
4 expect growth in earnings and price to compensate for inflation.

5 Q. BRIEFLY EXPLAIN CURRENT VALUE AS USED IN YOUR FAIR VALUE STUDY.

6 A. The current value of KCPL's properties was determined as trended  
7 original cost less depreciation (TOLCD). TOLCD has the general  
8 meaning of "reproduction" costs. Published trend indices were used to  
9 adjust the original cost as shown on the Company's books to replace-  
10 ment costs. Then, in order to recognize that some of the value of the  
11 plant in service has been consumed previously (i.e., property has  
12 depreciated), a condition percent calculation using Iowa Curves was  
13 performed to adjust the costs to reflect remaining service value.

14 Q. DO THE FIGURES ON SCHEDULE 3 REPRESENT THE FAIR VALUE STEAM HEAT RATE  
15 BASE?

16 A. No. These figures represent only the plant in service component of  
17 the rate base. Other factors, including materials and supplies, fuel  
18 inventories, and cash working capital need to be considered in arriv-  
19 ing at the rate base. Mr. Steven Catron had used the fair value of  
20 plant in service which I have developed, in the fair value rate base  
21 determination. Mr. Catron's Exhibit \_\_\_, (SMC) Schedule 2, quantifies  
22 both the original cost and fair value steam heat rate bases for the  
23 test year.

24 Q. MR. KITE, ARE YOU SPONSORING THE PROPOSED LEVEL OF STEAM REVENUES IN  
25 THIS CASE?

1 A. Yes. I am sponsoring steam Adjustment Nos. 1 and 5, and Pro Forma  
2 Adjustment No. 1 detailed in Mr. Cattron's Exhibit No. \_\_\_\_ (SWC),  
3 Schedule 11.

4 Q. WHAT IS THE PURPOSE OF ADJUSTMENT NO. 1?

5 A. Adjustment No. 1 has three parts as shown on Mr. Cattron's Schedule  
6 11. The first part of the adjustment normalizes steam sales for the  
7 test year. Six adjustments were made which net to an adjustment of  
8 (\$8,562,000). The CPC/National Starch revenues of \$8,563,931 were  
9 removed since the cost of service is being performed for the downtown  
10 system. Booked downtown revenues were increased or (decreased) by:  
11 \$500,000 to reverse a reserve established for a pending settlement  
12 payment unrelated to test year revenue and expense; (\$192,789) to  
13 remove the Muehlebach Hotel sales from the test year; (\$512,350) to  
14 exclude gross receipts tax revenue; \$15,226 to adjust for  
15 out-of-period sales; (\$243,413) to normalize sales for weather and  
16 \$435,253 to match fuel adjustment revenue with the normalized fuel  
17 expense in this case. The downtown adjustments net to a total of  
18 \$1,927.

19 The second part of Adjustment No. 1, other heat revenues of  
20 \$4,000, reflects the Armco adjustment for steam customers.

21 The third part of Adjustment No. 1, taxes other than income taxes  
22 of (\$509,000), restates base year expenses by removing gross receipts  
23 tax.

24 Q. WHAT IS THE PURPOSE OF ADJUSTMENT NO. 5?

25 A. Adjustment No. 5 has two parts as shown on Mr. Cattron's Schedule 11.  
26 The reduction in production operations of \$2,353,000 reflects the  
27 removal from test year fuel expenses of the fuel expense related to

1 National Starch sales. There are two National Starch contributions  
2 which total to the second part of the adjustment. The first reflects  
3 the use of the margin related to the National Starch sales of \$930,000  
4 being used as an offset to production expenses for the downtown  
5 customers. The second contribution is the cancellation charge related  
6 to the CPC contract which are also used as an offset to production  
7 expenses. The total cancellation charges which will be collected over  
8 a period from December, 1985 to March, 1989 were normalized resulting  
9 in a \$1,271,000 normalized contribution.

10 Q. WHAT IS THE PURPOSE OF PRO FORMA ADJUSTMENT 1?

11 A. This adjustment is required to restate revenue and taxes on a pro  
12 forma basis. Pro forma adjustment No. 1 is detailed on Mr. Cattron's  
13 Schedule 11.

14 Q. PLEASE DESCRIBE SCHEDULES 4, 5 AND 6.

15 A. Schedule 4 includes a transmittal letter to the Commission dated May  
16 3, 1986 and a transmittal letter dated July 3, 1986. Schedule 5 is a  
17 copy of the revised steam rate schedules, by which KCPL proposes to  
18 increase its steam rates. Schedule 6 is a copy of the revised steam  
19 rules and regulations proposed by the Company. These schedules have  
20 been previously filed with this Commission.

21 Q. WHAT IS THE MAGNITUDE OF THE RATE INCREASE SOUGHT BY KCPL AS REFLECTED  
22 IN THE PROPOSED INCREASED STEAM RATE SCHEDULES?

23 A. The proposed phase-in steam rate schedules in Schedule 5 were designed  
24 to provide an average increase for each class of customer of approxi-  
25 mately 22% per year for 4 years, providing to the Company additional  
26 Missouri steam revenues of approximately \$5,870,000 based on adjusted

1 sales for the 12 months ended December 31, 1985. Schedule 5 also  
2 includes steam rate schedules for the one time increase of approxi-  
3 mately \$5,870,000.

4 Q. ARE BOTH CLASSIFICATIONS OF STEAM SERVICE AND REVENUES AFFECTED BY THE  
5 PROPOSED INCREASED RATES?

6 A. Yes, both General Use and Low Pressure Orifice rates are affected.

7 Q. IN WHAT WAY DO THE PROPOSED RATE SCHEDULES DIFFER FROM THOSE NOW IN  
8 EFFECT?

9 A. In both the General Use rate schedule and the Low Pressure Orifice  
10 rate schedule, the price of each step of the rate has been modified by  
11 approximately the same percentage to produce the proposed increase in  
12 revenue.

13 Q. PLEASE DESCRIBE SCHEDULE 7.

14 A. Schedule 7, pages 1-4, show the effect of the proposed steam rate  
15 schedules on normalized steam sales for the base year ended December  
16 31, 1985, for each of the four years of the phase-in and in total.  
17 Page 5 of this schedule shows the effect of the alternative proposed  
18 one-time increase. This schedule also shows the number of customers  
19 at December 31, 1985.

20 Q. PLEASE DESCRIBE SCHEDULE 8.

21 A. Schedule 8 uses the revenue increases for each year of the phase-in as  
22 detailed in Schedule 7 to develop the resulting net operating income  
23 or loss for each year.

24 Q. DOES THIS COMPLETE YOUR TESTIMONY?

25 A. Yes.

AFFIDAVIT

STATE OF MISSOURI  
COUNTY OF JACKSON

)  
) ss.  
)

Ronald A. Kite, being first duly sworn, on his oath states: that he has participated in the preparation of the foregoing written testimony, in question and answer form, consisting of 17 pages, to be presented to the Public Service Commission of the State of Missouri in Case No. HO-86-139; that the answers therein contained were given by him; that he has knowledge of the matters set forth in said answers; and that such answers are true to the best of his knowledge and belief.

Ronald A. Kite  
Ronald A. Kite

Subscribed and sworn to before me this 32nd day of September, 1986.

Carol Lee  
Notary Public

My Commission Expires:  
F. C. GARO GILES  
Notary Public, State of Missouri  
Commissioned in Jackson County  
June 15, 1987

KANSAS CITY POWER & LIGHT COMPANY

Summary of Plant in Service at 12-31-85

<u>LINE</u>	<u>Description</u>	<u>KCPL Adjusted Original Cost at 12-31-85</u>	<u>Steam Heat at 12-31-85</u>
1	Intangible	\$ 95,123	\$ 617
2	Production	2,120,339,870	1,406,786
3	Transmission	132,416,439	82,283
4	Distribution	517,457,714	-
5	General	37,715,342	289,076
6	Direct Steam Heat	22,416,755	22,416,755
7	TOTAL	<u>\$2,830,441,243</u>	<u>\$24,195,517</u>

SUMMARY OF STEAM RATE CASES

Case	Filed	Test Year Ended	Revenue Increase Request (\$)	Revenue Increase Granted (\$)	Boiler Plant Allocation to Steam (%)	Grand Avenue Rated Summer Maximum Capacity (MW)
12,040	9-50	5-31-50	\$346,912	\$325,543	5.82	165
13,822	10-57	5-31-57	(139,718)	(139,718)	4.05	151
(1)	3-61	12-31-60	( 81,928)	( 81,928)	4.69	151
17,801	5-73	12-31-72	494,795	437,351	7.78	99
18,463	6-75	6-30-75	525,547	525,547	16.21	99
ER77-118	12-76	6-30-77	389,000	389,000	18.44	70
ER78-252	4-78	12-31-77	182,048	182,048	18.69	70
ER80-48	8-79	12-31-79	354,030	354,030	26.25	70
HR81-15	7-80	5-31-80	793,668	793,668	26.25	70
HR82-67	9-81	12-31-81	936,000	936,000	20.29	70
HR83-245	1-83	9-30-82	964,792	(2)	31.51	40

(1) No case number assigned  
(2) Case withdrawn 8-8-83

KANSAS CITY POWER & LIGHT COMPANY

Summary of Fair Value Plant in Service

<u>Plant In Service at 12-31-85</u>	<u>Total Company</u>	<u>Steam Heat</u>
Net Original Cost	\$ 2,357,772,726	\$ 6,974,509
Current Value	\$ 3,122,645,002	\$ 15,596,374
Fair Value <sup>(1)</sup>	\$ 2,651,636,655	\$ 10,287,030

(1) Original cost weighting factor is 61.58%.  
Current value weighting factor is 38.42%.

Schedule 4  
Sponsor: R. A. Kite

KANSAS CITY POWER & LIGHT COMPANY

1330 BALTIMORE AVENUE

P O BOX 679

KANSAS CITY, MISSOURI 64111

May 30, 1986

File No. 0501-98

**BERNARD J. BEAUDOIN**  
VICE PRESIDENT-FINANCE

Mr. Harvey G. Hubbs, Secretary  
Missouri Public Service Commission  
P. O. Box 360  
Jefferson City, Missouri 65102

RE: Case No. HO-86-139;  
Kansas City Power & Light Company

Dear Mr. Hubbs:

In its Report and Order in Case Nos. EO-85-185 and EO-85-224, the Commission created Case No. HO-86-139 for the purposes of investigating the future of public utility steam heating service rendered by KCPL in downtown Kansas City, Missouri, the appropriateness of KCPL's test electric boiler program, and the proper pricing of such steam service. The Report and Order also determined that KCPL should file its steam service plan on or before May 1, 1986. KCPL requested an extension of time to June 1, 1986, for this filing in its Application for Rehearing in Case Nos. EO-85-185 and EO-85-224, which remains pending before the Commission.

Enclosed for consideration by the Commission are fifteen (15) copies each of KCPL's Downtown Steam Service Plan (Plan). As KCPL committed to do in its last electric rate case, the Plan was presented to its steam customers at a meeting on March 13, 1986, for their review and comment, and it is now presented to this Commission.

The Plan was developed to address the significant problems facing the present steam service system, including the retirement of certain electric facilities at Grand Avenue Station, aging production and distribution steam plant, the loss of steam customers, including CPC International, KCPL's largest industrial steam customer, and the present wholly inadequate rates for steam service. KCPL believes that the Plan meets KCPL's commitment to its steam customers by providing alternative means of serving their energy requirements and increasing service reliability, at a cost to the customer much lower than what would be required to maintain the current steam system.

The highlights of the Plan are:

-- Steam distribution service from Grand Avenue Station will be phased out in stages, so that by December 31, 1990, the present steam system will be removed from service entirely.

-- Each steam service customer, as the phase-out progresses, will be offered the option of either receiving steam service from an on-site electric boiler, or of becoming an electric space heating customer of KCPL. If the customer elects the first option, KCPL will own, install and maintain an electric boiler on or near the customer's premises to provide steam to the customer, and will bill the customer for steam service. If the second option is elected, KCPL will own and install an electric space heating system, and will bill the customer under the applicable electric rate schedules. If the customer chooses the second option, and it is more expensive than the first option, the customer will be required to reimburse KCPL for the difference. The customers are under no obligation to choose either option, which are offered in an attempt to moderate the costs imposed on the customers during the phase-out period. The customers are free to select other alternative methods of meeting their energy needs, but KCPL will not bear the cost and expense for those methods.

-- At December 31, 1995, the customers will assume, without cost, ownership of the electric boilers and electric space heating systems, and all then will be electric customers of KCPL. The customers have the right to purchase the boilers and systems prior to December 31, 1995, at depreciated original cost.

An essential part of the Plan is increased rates for present steam service, representing a 120% increase over current rates. As KCPL stated in its Application for Rehearing, it is not possible to evaluate any steam service plan without considering as well rate schedules based on KCPL's actual cost of providing its present steam service. In other words, the necessity for the phase-out of central station steam service proposed by the Plan is a result of the gross inadequacy of current rates and the large increases required to provide adequate rates. KCPL's cost of service study shows that steam rates must be increased by 130% in order to recover the current cost of serving steam customers with the present system. KCPL is operating its steam system at a loss; KCPL's present rates do not provide any return on existing investment and do not even fully recover the annual operating costs of the steam system. Consequently, Staff's recommendation (repeated by the Commission in its Report and Order) that KCPL show existing steam rates "will earn

the required rate of return" under the recent electric boiler test program is impossible to achieve based on the present steam service situation--KCPL's current rates do not recover any capital costs, much less "the required rate of return".

It is likely that this doubling of rates will certainly cause some steam customers to leave the system for more economical heating alternatives, and this dwindling customer base (which will be exacerbated by the 1990 termination of the steam service agreement with National Starch, which is presently the largest steam customer) would force rates even higher as fixed costs are spread among fewer and fewer customers. Simply put, these rate schedules and the underlying cost of service show that the present system's economic viability is short-lived, and that an alternative to that system, which is embodied in the Plan and the associated schedules, must be quickly implemented to prevent further loss of revenues and customers.

KCPL thus encloses, as an integral part of its Plan, fifteen (15) copies each of (i) a form of Revised Rate Schedules of increased steam service rates (the Revised Schedules), (ii) as an alternative thereto, a form of Phase-in Rate Schedules of increased steam service rates (the Phase-in Schedules), (iii) a form of schedule dividing KCPL's steam service territory into various areas and assigning a date certain to each distribution area when steam service from Grand Avenue Station will no longer be required to be provided (the Conversion Schedule), and (iv) a form of revised General Rules and Regulations Applying to Steam Service, designed to reflect the provisions of the Plan and proposed to replace KCPL's existing rules and regulations for steam service. However, KCPL is mindful of the Commission's determination in its Report and Order in Case Nos. EO-85-185 and EO-85-224 that KCPL should not file steam tariffs until 1987. Since the Commission has not yet acted on KCPL's request for clarification of this matter in its Application for Rehearing, KCPL has filed these Revised Rate Schedules, Phase-in Rate Schedules, Conversion Schedule and revised General Rules and Regulations without a proposed effective date, pending Commission direction on the scope of inquiry intended for Case No. HO-86-139.

The Revised Schedules are designed to begin providing a reasonable return on the value of KCPL's properties dedicated to providing its present steam service. It is expected that the Revised Schedules should provide increased annual steam revenues of approximately \$5,871,000 (about 120%). However, KCPL has indicated to its steam customers that it is willing to accept some operating losses during the transition to the new steam system. Therefore, should the Commission approve KCPL's Plan, KCPL would accept a four-year phase-in of this revenue increase. The Phase-in Schedules are designed to phase-in the following revenue increases:

<u>Year</u>	<u>Dollars</u>	<u>Percentage Increase</u>
1	\$1,066,000	22%
2	\$1,298,000	22
3	\$1,581,000	22
4	\$1,926,000	22

Copies of this filing have been served on all parties of record in Case Nos. EO-85-185 and EO-85-224. Please bring these matters to the Commission attention.

Sincerely,



B. J. Beaudoin

BJB:cp

cc: All Parties of Record  
Case Nos. EO-85-185 and EO-85-224

## KANSAS CITY POWER & LIGHT COMPANY

### DOWNTOWN STEAM SERVICE PLAN

#### Introduction

KCPL's central station steam system started operations before the turn of the century. Steam was initially supplied from the Wall Street Plant (which was located at 6th and Wall), and subsequently from Grand Avenue Station. Most of the ten miles of underground steam lines are now 60 to 80 years old, and because of their advanced age require ever-increasing levels of maintenance and repair.

Grand Avenue Station no longer generates electricity for KCPL's electric customers, and KCPL has retired in place the electric generation facilities at the station. Thus, the entire burden of Grand Avenue's ownership and operating costs must now be borne by the steam heat customers, since this is the only service being provided by these facilities.

KCPL's steam customers and steam sales have declined dramatically over the years. The number of steam heat customers has dropped from a high of 394 in 1950 to about 130 now. From their peak in 1971, steam sales have slumped more than 60%. However, the facilities required to serve this declining customer base remain the same, and operation and maintenance expenses continue to increase as these facilities age. In 1985, KCPL's largest steam customer, CPC International, sold its facilities to National Starch which takes only about one-fourth of the steam that CPC did. These factors have caused the unit cost of producing and delivering steam to sharply rise over the years.

## Studies

KCPL has become increasingly aware of the adverse factors affecting its central station steam service system. Studies conducted in 1981 and 1982 indicated that steam rates at that time were inadequate and would have to be raised substantially in order to cover operating costs and provide a reasonable return on investment. The studies also determined that the system could not be viable without the addition of a large-demand customer. In response, KCPL secured CPC International as a customer in 1984, which had the effect of more than tripling steam demand. However, in 1985 CPC sold its facilities to National Starch, which has only one-fourth of CPC's steam usage. This drastic decrease in steam load, coupled with the anticipated retirement of electric facilities at Grand Avenue Station and the consequent increase in the cost of providing steam service led to the present study and this Plan.

In June 1985 Mr. A. J. Doyle, KCPL's Chief Executive Officer, met with steam customers to review the history of KCPL's steam service and to assure them of the Company's intentions to continue to meet their energy requirements. By letter dated July 19, 1985, Mr. Doyle indicated that KCPL was studying alternatives to the present central station steam service:

By early 1986, KCPL will develop a tentative five-year conversion plan to eliminate its low pressure steam distribution system through the use of on-site electric boilers and minimize its high pressure steam distribution system through (a) a central electrode boiler, (b) by on-site installation or (c) various combinations with

electric operation. KCPL will present that tentative plan to its steam heat customers, hopefully, in March 1986 for their review, comments and possible refinement. Of course, any such plan as may be finally adopted by KCPL will be subject to review and approval by the Missouri Commission before it becomes effective.

In addition, KCPL committed to operate the steam production facilities at Grand Avenue for the term of the National Starch steam service agreement (through 1990), and not to make a steam rate increase effective before 1987. KCPL also offered to make building energy use studies at the facilities of each steam customer at no charge.

A task force was formed in July 1985 to develop this five-year conversion plan. Representatives from System Power Operations, Internal Services and Steam, Accounting, Engineering, Law, Corporate Planning and Rates were named to this task force. Engineering and financial examinations were made of the present system as well as many alternatives to that system. It became obvious that it is not economically feasible to continue central station steam production and distribution, either in its present, or an alternative, configuration. Based on these examinations, the task force focused on on-site electric boilers as the preferred alternative, since it minimizes future capital expenditures. A test program was established to install up to eight electric boilers on the premises of present steam customers in order to collect information concerning installation and maintenance of such equipment, and also to gauge customer acceptance. The Downtown Steam Service Plan is

predicated upon the recommendations and findings of this task force.

#### The Downtown Steam Service Plan

The elements of the Plan are as follows:

1. KCPL will discontinue steam service from Grand Avenue Station upon the termination of the steam service agreement with National Starch in 1990.

2. In anticipation of this discontinuance, KCPL will phase-out central station steam production and distribution service, commencing after Commission approval of the Plan.

3. In each phase-out steam distribution area, KCPL will offer to each customer the option of receiving on-site heating equipment, as a substitute for the discontinued central station steam service. The customer is under no obligation to accept this equipment, and is free to meet its heating needs by other methods.

4. The on-site heating equipment may be either electric steam boilers or all-electric heating equipment, depending on their relative capital cost. The customers may choose either of the two; however, if the customer chooses heating equipment, and it is more expensive than the corresponding boiler, the customer must in that case reimburse KCPL for the difference in the capital cost.

5. KCPL will own, install and maintain the electric steam boilers, and these steam boiler customers will continue to be steam customers served under the applicable steam service tariffs. KCPL will own and install the all-electric heating equipment, and the customers will be obligated to maintain such equipment at their own

expense. These latter customers will become electric space heating customers of KCPL, and will be charged under the applicable electric space heating tariffs.

6. Ownership of both the electric steam boilers and the all-electric heating equipment will pass to the customers as of December 31, 1995; however, the customers have the option of earlier purchase of the boilers and equipment at its depreciated original cost. After December 31, 1995, all customers having on-site equipment (whether boilers or all-electric heating equipment) will become electric customers of KCPL and will be served under the applicable electric service tariffs.

7. KCPL will continue to offer building energy use studies at the facilities of each steam customer, to determine the appropriate sizing of the on-site equipment.

8. KCPL continues its commitment not to make a steam service rate increase effective before 1987.

KCPL believes this Plan is the most feasible method of continuing steam service to downtown Kansas City at a reasonable cost and with adequate reliability.

**KANSAS CITY POWER & LIGHT COMPANY**

1330 BALTIMORE AVENUE

P. O. BOX 679

KANSAS CITY, MISSOURI 64141

July 3, 1986

File No. 0501-98

**BERNARD J. BEAUDOIN**  
VICE PRESIDENT-FINANCE

Mr. Harvey G. Hubbs  
Secretary  
Missouri Public Service Commission  
P. O. Box 360  
Jefferson City, Missouri 65102

Re: Case No. HO-86-139;  
Kansas City Power & Light Company

Dear Mr. Hubbs:

Pursuant to the Commission's June 27 Order in this matter, please find enclosed for filing four copies each of (i) Revised Rate Schedules of increased steam service rates, (ii) as an alternative thereto, Phase-in Rate Schedules of increased steam service rates, (iii) a Conversion Schedule dividing KCPL's steam service territory into various distribution areas and assigning a date certain to each area when steam service from Grand Avenue Station will no longer be required to be provided, and (iv) revised General Rules and Regulations Applying to Steam Service. The schedules of rates and general rules and regulations are identical to those filed by KCPL on June 2, except that each now bears an issue date of July 7, 1986, and a proposed effective date of January 1, 1987. The enclosed Conversion Schedule differs from the one transmitted to the Commission on June 16 in that it now bears an issue date of July 7, 1986, and a proposed effective date of January 1, 1987, and the proposed conversion date for areas 1 through 4 has been changed from July 1, 1986, to January 1, 1987.

KCPL respectfully requests the Commission to issue, at its earliest convenience, a procedural schedule on this matter. KCPL has received several questions regarding the status of its steam service plan from certain of its customers who are now contemplating heating source options. It is thus in the best interests of KCPL's steam customers for the questions concerning future steam service conditions and rates be resolved as expeditiously as possible, so that they will be able to make informed decisions on the method of meeting their heating needs in the coming years.

  
B. J. Beaudoin

NJB:cg

Enc.

cc w/enc: Public Counsel  
cc w/o enc: All parties of record  
except Public Counsel

Schedule 5  
Sponsor: R. A. Kite

**KANSAS CITY POWER & LIGHT COMPANY**  
Name of Issuing Corporation or Municipality

For KANSAS CITY, MISSOURI  
Community, Town or City

**GENERAL USE RATE FOR STEAM**

**APPLICABILITY:**

Applicable to commercial consumers and to governmental bodies and agencies using steam service for the purposes included in the availability clause hereof.

**AVAILABILITY:**

Available for space heating and cooling, water heating, refrigeration, cooking and industrial processing purposes. Not available for use in the generation of electricity.

**RATE:**

**BASE USE:**

- \$13.51 per 1000 pounds for the first 20,000 pounds used in each month;
- \$10.58 per 1000 pounds for the next 480,000 pounds used in each month;
- \$ 9.63 per 1000 pounds for the next 1,500,000 pounds used in each month;
- \$ 8.89 per 1000 pounds for all over 2,000,000 pounds used in each month.

**EXCESS USE:**

- \$15.04 per 1000 pounds for the first 20,000 pounds used in each month, reduced by the number of pounds of base use up to 20,000 pounds;
- \$12.39 per 1000 pounds of all the remainder of the first 500,000 pounds of excess use in each month;
- \$11.56 per 1000 pounds for all over 500,000 pounds used in each month.

KCP&L FORM 61-101 - REV. 3/78

DATE OF ISSUE July 1, 1981

DATE EFFECTIVE JANUARY 1, 1987

ISSUED BY J. C. Robinson

Vice President

1100 Bellman, Kansas City, Mo.

Cancelling P. S. C. MO. No.

[Original] Revised

SHEET No.

KANSAS CITY POWER & LIGHT COMPANY

For Kansas City, Missouri  
Community, Town or City

Name of Issuing Corporation or Municipality

GENERAL USE RATE FOR STEAM (continued)

FUEL ADJUSTMENT:

The foregoing rates are based on a fuel cost to the Company of 237.95c per million BTU, and for any month in which the fuel cost in the next preceding month shall have been more or less than 237.95c, the rates for service hereunder shall be increased or decreased 1.715c per thousand pounds of steam for each one cent (or proportionately for fractional parts thereof) of such increase or decrease from 237.95 cents.

The "fuel cost" as used herein is as fired in the Grand Avenue Station in Kansas City, Missouri, and shall mean the cost to the Company of fuel burned meaning coal, gas, oil or any other fuel used in the production of steam and shall include the fixed charges, operation, maintenance and other operating expenses incurred by the Company for transportation equipment used to transport fuel from the point of acquisition to the unloading point, the cost to the Company of such transportation equipment in the case of lease or rental, the cost of products added prior to or in the burning cycle, the cost of other materials used to control emission of products of combustion and, in the case of fuel that has been in storage as a reserve against shortage, the costs of all unloading, storage, reloading, switching and other charges incurred by the Company in maintaining a sufficient supply of fuel to insure the operation of its plants and the supply of steam hereunder.

TAX ADJUSTMENT:

There shall be added to the monthly bill of the customer, as separate items, a surcharge equal to the proportionate part of any license, occupation, or other similar fee or tax applicable to steam service by the Company to the customer, which fee or tax is imposed upon the Company by taxing authorities on the basis of the gross receipts, net receipts, or revenues from steam sales by the Company.

MINIMUM:

\$71.54 per month for the months of November to April, inclusive.

DATE OF ISSUE July 7, 1967

DATE EFFECTIVE January 1, 1967

ISSUED BY L. C. ...

Vice President

1300 Bellvue, Kansas City, Mo.

FORM NO. 13

P. S. C. MO. No. 8

(Original) SHEET No. 2-87  
(Revised)

Cancelling P. S. C. MO. No.

(Original) SHEET No.  
(Revised)

**KANSAS CITY POWER & LIGHT COMPANY**  
Name of Issuing Corporation or Municipality

For Kansas City, Missouri  
Community, Town or City

**LOW PRESSURE ORIFICE RATE FOR STEAM**

**APPLICABILITY:**

Applicable to commercial consumers and to governmental bodies and agencies using steam service for the purposes included in the availability clause hereof.

**AVAILABILITY:**

The use of steam under this schedule is limited to installations where it is impractical to meter the amount of steam used or obtain the condensation resulting from its use. The customer must make application for this class of service and the Company will install a standard orifice in the Company's supply pipe which orifice will be kept under seal by the Company.

**RATE:**

1/8" orifice: \$ 60.26 per month.  
1/4" orifice: \$167.78 per month.

**HOURS OF OPERATION:**

The rate is predicated upon steam being used for not more than eight hours per day. If steam is used for longer periods, then the rate shall be increased in proportion as time of operation is increased.

**FUEL ADJUSTMENT:**

For purposes of Application of the Fuel Adjustment Clause, the 1/8" orifice is estimated to use 4623 pounds of steam per month and the 1/4" orifice is estimated to use 18,250 pounds of steam per month based upon steam being used for not more than eight hours per day. If steam is used for longer periods, then the estimated use shall be increased in proportion as time of operation is increased.

The foregoing rates are based on a fuel cost to the Company of 237.95c per million Btu and for any month in which the fuel cost in the next preceding month shall have been more or less than 237.95c, the rates for service hereunder shall be increased or decreased 1.715c per thousand pounds of steam for each one cent (or proportionately for fractional parts thereof) of such increase or decrease from 237.95 cents.

SCPL FORM 61-101 .REV. 2/78

DATE OF ISSUE July 7, 1988 DATE EFFECTIVE January 1, 1987

ISSUED BY L. C. Brumage Vice President 1100 Belltown, Kansas City, Mo.

{ Original }  
{ Revised }

SHEET No. ....

Cancelling P. S. C. MO. No. ....

{ Original }  
{ Revised }

SHEET No. ....

**KANSAS CITY POWER & LIGHT COMPANY**

For Kansas City, Missouri  
Community, Town or City

Name of Issuing Corporation or Municipality

**CONVERSION SCHEDULE**

KCPL shall have no obligation to offer or provide steam service from its Grand Avenue Station facilities, but may instead offer to provide either electric boilers or all-electric heating equipment, as provided in the applicable tariffs, rules and regulations and Commission orders, to its steam service customers located in the following areas of its steam service territory, as described and set forth on the attached map, on and after the corresponding Conversion Date:

<u>Area</u>	<u>Conversion Date:</u>
1 through 4, inclusive	January 1, 1987
5 through 6, inclusive	January 1, 1987
7 through 8, inclusive	January 1, 1988
9 through 10, inclusive	January 1, 1989
11	January 1, 1990

KCPL FORM 9-1-101 - REV. 2/78

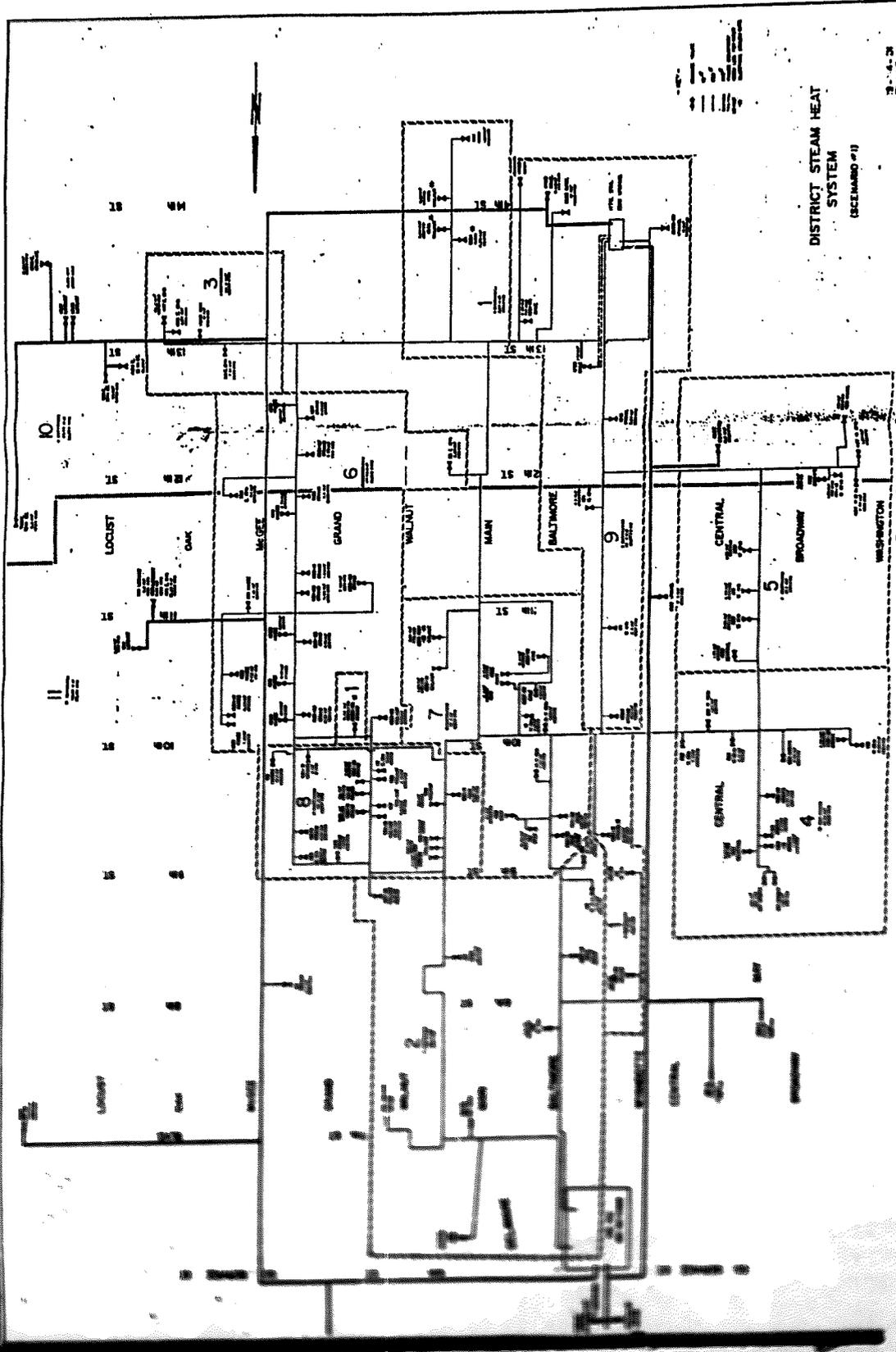
DATE OF ISSUE July 7, 1986

DATE EFFECTIVE JANUARY 1, 1987

ISSUED BY L. C. Bannerman

Vice President

1230 McGinnis, Kansas City, Mo.



DISTRICT STEAM HEAT SYSTEM  
(SCENARIO #1)

Date Effective: January 1, 1987

Date of Issue: July 7, 1986

**GENERAL USE RATE FOR STEAM**

**APPLICABILITY:**

Applicable to commercial consumers and to governmental bodies and agencies using steam service for the purposes included in the availability clause hereof.

**AVAILABILITY:**

Available for space heating and cooling, water heating, refrigeration, cooking and industrial processing purposes. Not available for use in the generation of electricity.

**RATE:**

**BASE USE:**

- \$16.45 per 1000 pounds for the first 20,000 pounds used in each month;
- \$12.89 per 1000 pounds for the next 480,000 pounds used in each month;
- \$11.73 per 1000 pounds for the next 1,500,000 pounds used in each month;
- \$10.83 per 1000 pounds for all over 2,000,000 pounds used in each month.

**EXCESS USE:**

- \$18.32 per 1000 pounds for the first 20,000 pounds used in each month, reduced by the number of pounds of base up to 20,000 pounds;
- \$15.09 per 1000 pounds of all the remainder of the first 500,000 pounds of excess use in each month;
- \$14.08 per 1000 pounds for all over 500,000 pounds used in each month.

KCPL FORM 81-101 (REV. 2/78)

Cancelling P. S. C. MO. No. ....

{ Original } SHEET No. ....  
{ Revised }

**KANSAS CITY POWER & LIGHT COMPANY**  
Name of Issuing Corporation or Municipality

For **Kansas City, Missouri**  
Community, Town or City

**GENERAL USE RATE FOR STEAM (continued)**

**FUEL ADJUSTMENT:**

The foregoing rates are based on a fuel cost to the Company of 237.95¢ per million BTU, and for any month in which the fuel cost in the next preceding month shall have been more or less than 237.95¢, the rates for service hereunder shall be increased or decreased 1.715¢ per thousand pounds of steam for each one cent (or proportionately for fractional parts thereof) of such increase or decrease from 237.95 cents.

The "fuel cost" as used herein is as fired in the Grand Avenue Station in Kansas City, Missouri, and shall mean the cost to the Company of fuel burned meaning coal, gas, oil or any other fuel used in the production of steam and shall include the fixed charges, operation, maintenance and other operating expenses incurred by the Company for transportation equipment used to transport fuel from the point of acquisition to the unloading point, the cost to the Company of such products added prior to or in the burning cycle, the cost of other materials used to control emission of products of combustion and, in the case of fuel that has been in storage as a reserve against shortage, the costs of all unloading, storage, reloading, switching and other charges incurred by the Company in maintaining a sufficient supply of fuel to insure the operation of its plants and the supply of steam hereunder.

**TAX ADJUSTMENT:**

There shall be added to the monthly bill of the customer, as separate items, a surcharge equal to the proportionate part of any license, occupation, or other similar fee or tax applicable to steam service by the Company to the customer, which fee or tax is imposed upon the Company by taxing authorities on the basis of the gross receipts, net receipts, or revenues from steam sales by the Company.

**MINIMUM:**

\$87.13 per month for the months of November to April, inclusive.

KCPL FORM 81-101 - REV. 2/78

DATE OF ISSUE July 7, 1988

DATE EFFECTIVE January 1, 1987

ISSUED BY L. C. Rasmussen  
Name of Officer

Vice President  
Title

1230 Baltimore, Kansas City, Mo.  
Address

**KANSAS CITY POWER & LIGHT COMPANY**

Name of Issuing Corporation or Municipality

For Kansas City, Missouri  
Community, Town or City

**LOW PRESSURE ORIFICE RATE FOR STEAM**

**APPLICABILITY:**

Applicable to commercial consumers and to governmental bodies and agencies using steam service for the purposes included in the availability clause hereof.

**AVAILABILITY:**

The use of steam under this schedule is limited to installations where it is impractical to meter the amount of steam used or obtain the condensation resulting from its use. The customer must make application for this class of service and the Company will install a standard orifice in the Company's supply pipe which orifice will be kept under seal by the Company.

**RATE:**

1/8" orifice: \$ 73.39 per month.  
1/4" orifice: \$ 204.35 per month.

**HOURS OF OPERATION:**

The rate is predicated upon steam being used for not more than eight hours per day. If steam is used for longer periods, then the rate shall be increased in proportion as time of operation is increased.

**FUEL ADJUSTMENT:**

For purposes of Application of the Fuel Adjustment Clause, the 1/8" orifice is estimated to use 4623 pounds of steam per month and the 1/4" orifice is estimated to use 18,250 pounds of steam per month based upon steam being used for not more than eight hours per day. If steam is used for longer periods, then the estimated use shall be increased in proportion as time of operation is increased.

The foregoing rates are based on a fuel cost to the Company of 237.95¢ per million Btu and for any month in which the fuel cost in the next preceding month shall have been more or less than 237.95¢, the rates for service hereunder shall be increased or decreased 1.715¢ per thousand pounds of steam for each one cent (or proportionately for fractional parts thereof) of such increase or decrease from 237.95¢.

KCPL FORM 81-101 (REV. 2/78)

DATE OF ISSUE July 7, 1988

DATE EFFECTIVE January 1, 1987

ISSUED BY L. C. Boush

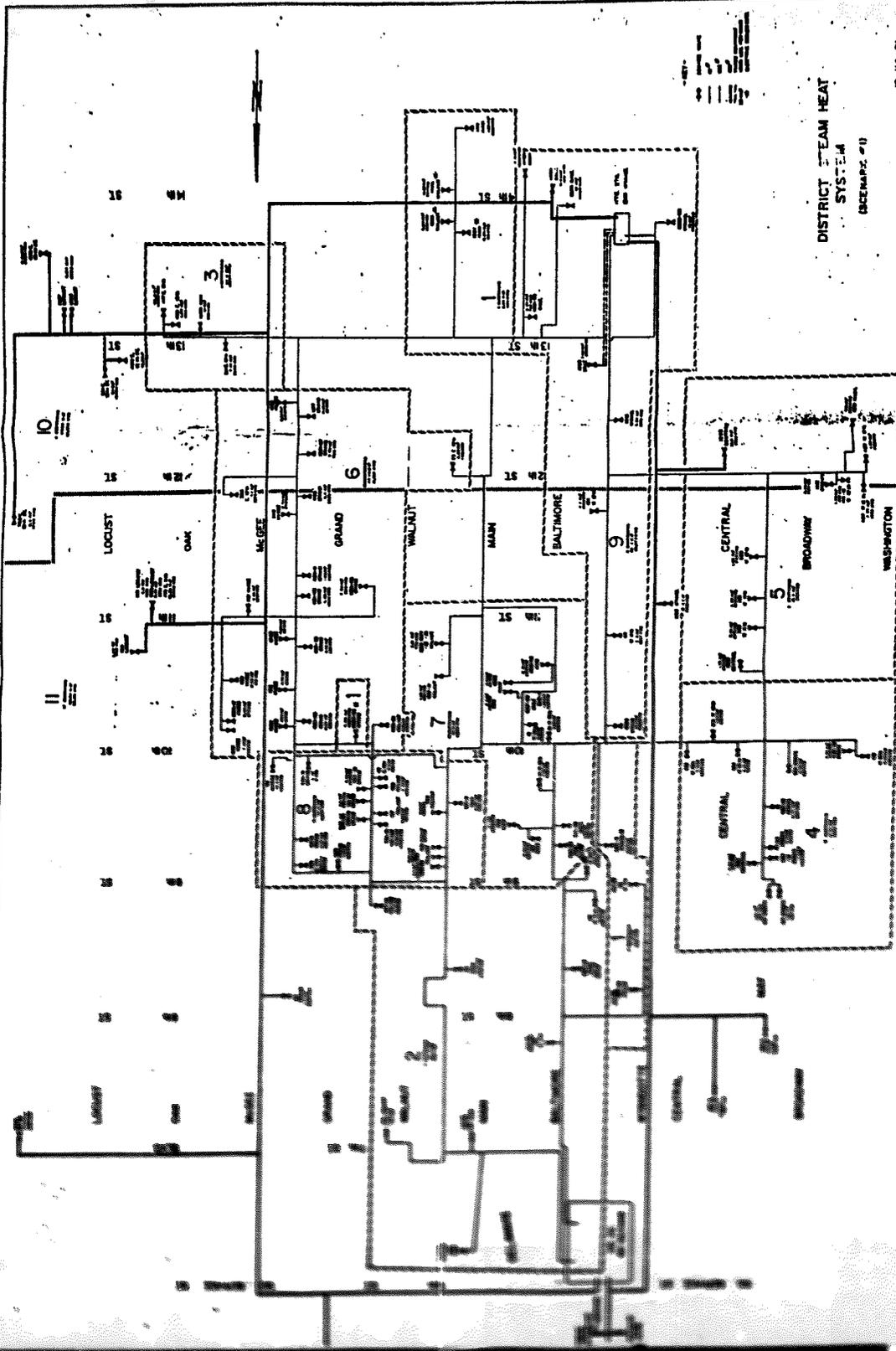
Vice President

1130 Bellvue, Kansas City, Mo.

name of officer

title

address



DISTRICT STEAM HEAT  
SYSTEM  
SCHEMATIC #10

Date Effective: January 1, 1987

Date of Issue: July 7, 1986

8-104-D

**KANSAS CITY POWER & LIGHT COMPANY**  
 Name of Issuing Corporation or Municipality

For KANSAS CITY, MISSOURI  
 Community, Town or City

**GENERAL USE RATE FOR STEAM**

**APPLICABILITY:**

Applicable to commercial consumers and to governmental bodies and agencies using steam service for the purposes included in the availability clause hereof.

**AVAILABILITY:**

Available for space heating and cooling, water heating, refrigeration, cooking and industrial processing purposes. Not available for use in the generation of electricity.

**RATE:**

**BASE USE:**

- \$20.04 per 1000 pounds for the first 20,000 pounds used in each month;
- \$15.70 per 1000 pounds for the next 480,000 pounds used in each month;
- \$14.29 per 1000 pounds for the next 1,500,000 pounds used in each month;
- \$13.19 per 1000 pounds for all over 2,000,000 pounds used in each month.

**EXCESS USE:**

- \$22.31 per 1000 pounds for the first 20,000 pounds used in each month, reduced by the number of pounds of base use up to 20,000 pounds;
- \$18.38 per 1000 pounds of all the remainder of the first 500,000 pounds of excess use in each month;
- \$17.15 per 1000 pounds for all over 500,000 pounds used in each month.

KCP&L FORM 81-101 REV. 2/78

DATE OF ISSUE July 7, 1988

DATE EFFECTIVE JANUARY 1, 1987

ISSUED BY L. C. MORGAN  
name of officer

Vice President  
title

1275 Bellvue, Kansas City, Mo.  
address

**KANSAS CITY POWER & LIGHT COMPANY**

Name of Issuing Corporation or Municipality

For Kansas City, Missouri  
Community, Town or City

**GENERAL USE RATE FOR STEAM (continued)**

**FUEL ADJUSTMENT:**

The foregoing rates are based on a fuel cost to the Company of 237.95c per million BTU, and for any month in which the fuel cost in the next preceding month shall have been more or less than 237.95c, the rates for service hereunder shall be increased or decreased 1.715c per thousand pounds of steam for each one cent (or proportionately for fractional parts thereof) of such increase or decrease from 237.95 cents.

The "fuel cost" as used herein is as fired in the Grand Avenue Station in Kansas City, Missouri, and shall mean the cost to the Company of fuel burned meaning coal, gas, oil or any other fuel used in the production of steam and shall include the fixed charges, operation, maintenance and other operating expenses incurred by the Company for transportation equipment used to transport fuel from the point of acquisition to the unloading point, the cost to the Company of such transportation equipment in the case of lease or rental, the cost of products added prior to or in the burning cycle, the cost of other materials used to control emission of products of combustion and, in the case of fuel that has been in storage as a reserve against shortage, the costs of all unloading, storage, reloading, switching and other charges incurred by the Company in maintaining a sufficient supply of fuel to insure the operation of its plants and the supply of steam hereunder.

**TAX ADJUSTMENT:**

There shall be added to the monthly bill of the customer, as separate items, a surcharge equal to the proportionate part of any license, occupation, or other similar fee or tax applicable to steam service by the Company to the customer, which fee or tax is imposed upon the Company by taxing authorities on the basis of the gross receipts, net receipts, or revenues from steam sales by the Company.

**MINIMUM:**

\$106.12 per month for the months of November to April, inclusive.

DATE OF ISSUE July 7, 1988

DATE EFFECTIVE January 1, 1987

ISSUED BY J. C. Peterson

      
Title

1234 Bellvue, Kansas City, Mo.  
Address

**KANSAS CITY POWER & LIGHT COMPANY**

Name of Issuing Corporation or Municipality

For Kansas City, Missouri  
Community, Town or City

**LOW PRESSURE ORIFICE RATE FOR STEAM**

**APPLICABILITY:**

Applicable to commercial consumers and to governmental bodies and agencies using steam service for the purposes included in the availability clause hereof.

**AVAILABILITY:**

The use of steam under this schedule is limited to installations where it is impractical to meter the amount of steam used or obtain the condensation resulting from its use. The customer must make application for this class of service and the Company will install a standard orifice in the Company's supply pipe which orifice will be kept under seal by the Company.

**RATE:**

1/8" orifice: \$ 89.38 per month.

1/4" orifice: \$248.89 per month.

**HOURS OF OPERATION:**

The rate is predicated upon steam being used for not more than eight hours per day. If steam is used for longer periods, then the rate shall be increased in proportion as time of operation is increased.

**FUEL ADJUSTMENT:**

For purposes of Application of the Fuel Adjustment Clause, the 1/8" orifice is estimated to use 4623 pounds of steam per month and the 1/4" orifice is estimated to use 18,250 pounds of steam per month based upon steam being used for not more than eight hours per day. If steam is used for longer periods, then the estimated use shall be increased in proportion as time of operation is increased.

The foregoing rates are based on a fuel cost to the Company of 237.93c per million Btu and for any month in which the fuel cost in the next preceding month shall have been more or less than 237.93c, the rates for service hereunder shall be increased or decreased 1.713c per thousand pounds of steam for each one cent (or proportionately for fractional parts thereof) of such increase or decrease from 237.93 cents.

DATE OF ISSUE July 1, 1937

DATE EFFECTIVE January 1, 1937

ISSUED BY L. C. ...

... Vice President

1310 Baltimore, Kansas City, Mo.

FORM NO. 13 - REV. 1-27-37

Cancelling P. S. C. MO. No. ....

{ Original } SHEET No. ....  
{ Revised }

**KANSAS CITY POWER & LIGHT COMPANY**  
Name of Issuing Corporation or Municipality

For **Kansas City, Missouri**  
Community, Town or City

**CONVERSION SCHEDULE**

KCPL shall have no obligation to offer or provide steam service from its Grand Avenue Station facilities, but may instead offer to provide either electric boilers or all-electric heating equipment, as provided in the applicable tariffs, rules and regulations and Commission orders, to its steam service customers located in the following areas of its steam service territory, as described and set forth on the attached map, on and after the corresponding Conversion Date:

<u>Area</u>	<u>Conversion Date:</u>
1 through 4, inclusive	January 1, 1987
5 through 6, inclusive	January 1, 1987
7 through 8, inclusive	January 1, 1988
9 through 10, inclusive	January 1, 1989
11	January 1, 1990

KCPL FORM 81-101 - REV. 2/78

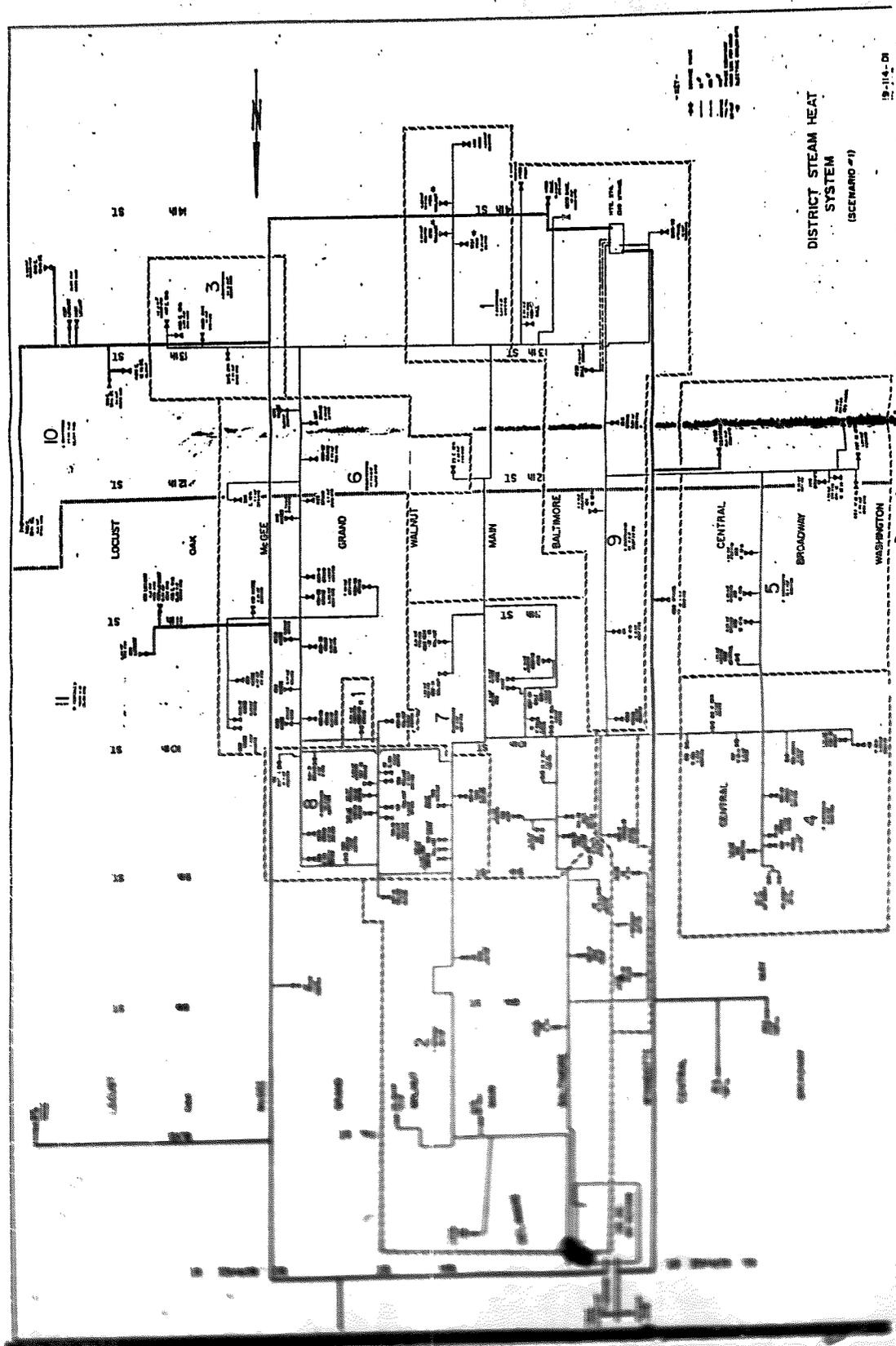
DATE OF ISSUE July 7, 1986

DATE EFFECTIVE JANUARY 1, 1987

ISSUED BY L. C. Brumback  
Name of officer

Vice President  
Title

1330 Baltimore, Kansas City, Mo.  
Address



DISTRICT STEAM HEAT SYSTEM  
(SCENARIO #1)

Date of Issue: July 7, 1986  
 Date Effective: January 1, 1987  
 9-114-D

**KANSAS CITY POWER & LIGHT COMPANY**

Name of Issuing Corporation or Municipality

For KANSAS CITY, MISSOURI

Community, Town or City

**GENERAL USE RATE FOR STEAM**

**APPLICABILITY:**

Applicable to commercial consumers and to governmental bodies and agencies using steam service for the purposes included in the availability clause hereof.

**AVAILABILITY:**

Available for space heating and cooling, water heating, refrigeration, cooking and industrial processing purposes. Not available for use in the generation of electricity.

**RATE:**

**BASE USE:**

- \$24.40 per 1000 pounds for the first 20,000 pounds used in each month;
- \$19.12 per 1000 pounds for the next 480,000 pounds used in each month;
- \$17.41 per 1000 pounds for the next 1,500,000 pounds used in each month;
- \$16.06 per 1000 pounds for all over 2,000,000 pounds used in each month.

**EXCESS USE:**

- \$27.18 per 1000 pounds for the first 20,000 pounds used in each month, reduced by the number of pounds of base use up to 20,000 pounds;
- \$22.38 per 1000 pounds of all the remainder of the first 500,000 pounds of excess use in each month;
- \$20.88 per 1000 pounds for all over 500,000 pounds used in each month.

KCP&L FORM NO. 13 REV. 2/16

DATE OF ISSUE July 7, 1986

DATE EFFECTIVE JANUARY 1, 1987

ISSUED BY L. C. [Name]  
Name of officer

[Name]  
Title

1234 Bellview, Kansas City, Mo.  
Address

Cancelling P. S. C. MO. No. ....

(Original) SHEET No. ....  
(Revised)

**KANSAS CITY POWER & LIGHT COMPANY**

For Kansas City, Missouri  
Community, Town or City

Name of issuing Corporation or Municipality

**GENERAL USE RATE FOR STEAM (continued)**

**FUEL ADJUSTMENT:**

The foregoing rates are based on a fuel cost to the Company of 237.95c per million BTU, and for any month in which the fuel cost in the next preceding month shall have been more or less than 237.95c, the rates for service hereunder shall be increased or decreased 1.715c per thousand pounds of steam for each one cent (or proportionately for fractional parts thereof) of such increase or decrease from 237.95 cents.

The "fuel cost" as used herein is as fired in the Grand Avenue Station in Kansas City, Missouri, and shall mean the cost to the Company of fuel burned meaning coal, gas, oil or any other fuel used in the production of steam and shall include the fixed charges, operation, maintenance and other operating expenses incurred by the Company for transportation equipment used to transport fuel from the point of acquisition to the unloading point, the cost to the Company of such transportation equipment in the case of lease or rental, the cost of products added prior to or in the burning cycle, the cost of other materials used to control emission of products of combustion and, in the case of fuel that has been in storage as a reserve against shortage, the costs of all unloading, storage, reloading, switching and other charges incurred by the Company in maintaining a sufficient supply of fuel to insure the operation of its plants and the supply of steam hereunder.

**TAX ADJUSTMENT:**

There shall be added to the monthly bill of the customer, as separate items, a surcharge equal to the proportionate part of any license, occupation, or other similar fee or tax applicable to steam service by the Company to the customer, which fee or tax is imposed upon the Company by taxing authorities on the basis of the gross receipts, net receipts, or revenues from steam sales by the Company.

**MINIMUM:**

\$129.25 per month for the months of November to April, inclusive.

DATE OF ISSUE July 7, 1936

DATE EFFECTIVE JANUARY 1, 1937

ISSUED BY L. C. Robinson

Vice President

1212 Bellvue, Kansas City, Mo.

FORM NO. 13

P. S. C. NO. No. .... 8 .....

..... { Original } SHEET No. 2-90  
..... { Revised }

Cancelling P. S. C. NO. No. ....

..... { Original } SHEET No. ....  
..... { Revised }

**KANSAS CITY POWER & LIGHT COMPANY**  
Name of Issuing Corporation or Municipality

For Kansas City, Missouri  
Community, Town or City

**LOW PRESSURE ORIFICE RATE FOR STEAM**

**APPLICABILITY:**

Applicable to commercial consumers and to governmental bodies and agencies using steam service for the purposes included in the availability clause hereof.

**AVAILABILITY:**

The use of steam under this schedule is limited to installations where it is impractical to meter the amount of steam used or obtain the condensation resulting from its use. The customer must make application for this class of service and the Company will install a standard orifice in the Company's supply pipe which orifice will be kept under seal by the Company.

**RATE:**

1/8" orifice: \$108.88 per month.

1/4" orifice: \$303.13 per month.

**HOURS OF OPERATION:**

The rate is predicated upon steam being used for not more than eight hours per day. If steam is used for longer periods, then the rate shall be increased in proportion as time of operation is increased.

**FUEL ADJUSTMENT:**

For purposes of Application of the Fuel Adjustment Clause, the 1/8" orifice is estimated to use 4623 pounds of steam per month and the 1/4" orifice is estimated to use 18,250 pounds of steam per month based upon steam being used for not more than eight hours per day. If steam is used for longer periods, then the estimated use shall be increased in proportion as time of operation is increased.

The foregoing rates are based on a fuel cost to the Company of 237.95¢ per million Btu and for any month in which the fuel cost is the next preceding month shall have been more or less than 237.95¢, the rates for service hereunder shall be increased or decreased 1.713¢ per thousand pounds of steam for each one cent (or proportionately for fractional parts thereof) of such increase or decrease from 237.95 cents.

KCP&L FORM 61-101 .REV. 1/79

DATE OF ISSUE July 7, 1986

DATE EFFECTIVE January 1, 1987

ISSUED BY L. C. Bussness  
Name of officer

Wm. P. ...  
Title

180 Bellvue, Kansas City, Mo.  
Address

Cancelling P. S. C. MO. No. ....

{ Original } SHEET No. ....  
{ Revised }

**KANSAS CITY POWER & LIGHT COMPANY**  
Name of Issuing Corporation or Municipality

For **Kansas City, Missouri**  
Community, Town or City

**CONVERSION SCHEDULE**

KCPL shall have no obligation to offer or provide steam service from its Grand Avenue Station facilities, but may instead offer to provide either electric boilers or all-electric heating equipment, as provided in the applicable tariffs, rules and regulations and Commission orders, to its steam service customers located in the following areas of its steam service territory, as described and set forth on the attached map, on and after the corresponding Conversion Date:

<u>Area</u>	<u>Conversion Date:</u>
1 through 4, inclusive	January 1, 1987
5 through 6, inclusive	January 1, 1987
7 through 8, inclusive	January 1, 1988
9 through 10, inclusive	January 1, 1989
11	January 1, 1990

KCPL FORM 81-101 (REV. 2/78)

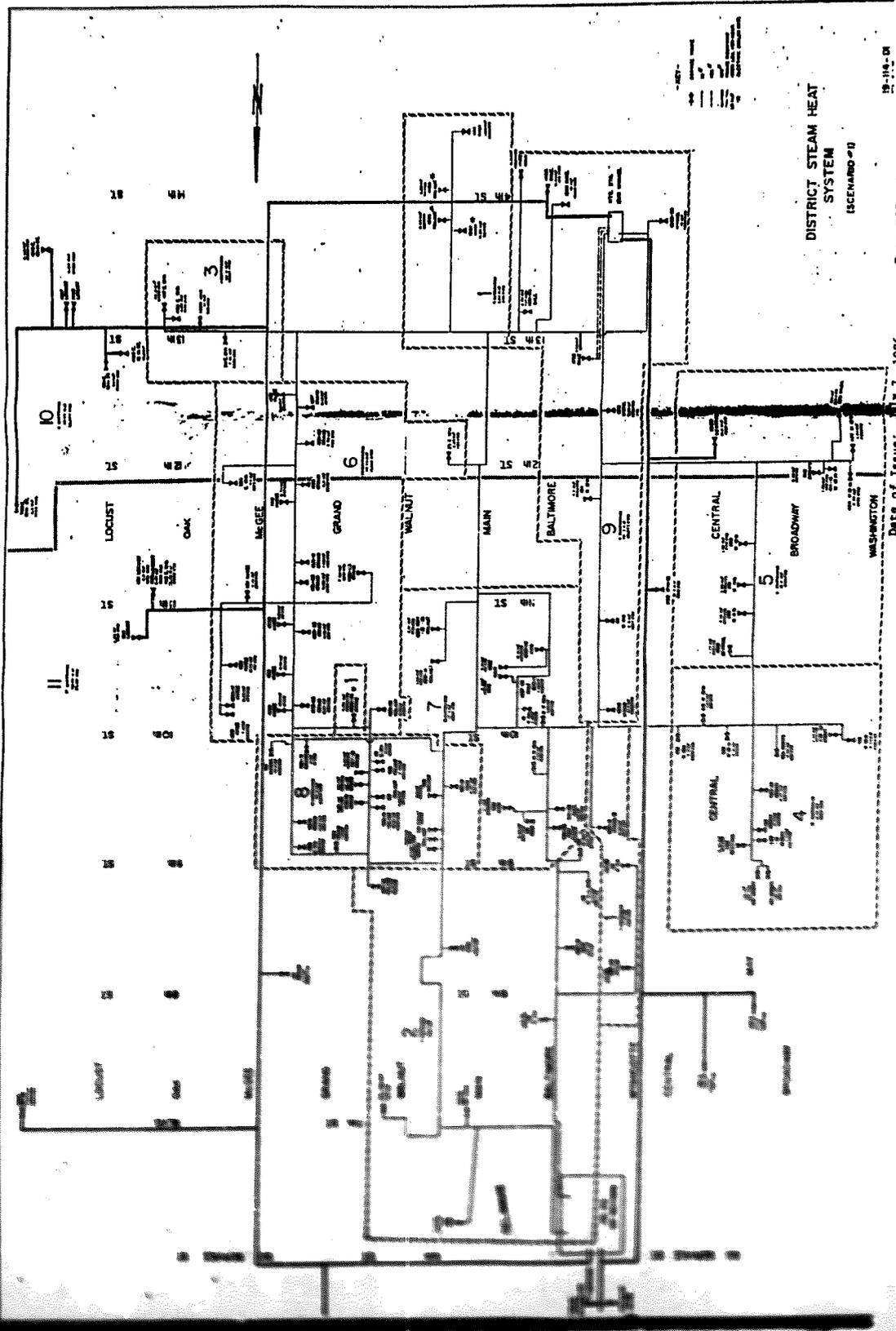
DATE OF ISSUE July 7, 1986

DATE EFFECTIVE January 1, 1987

ISSUED BY L. C. [Name]

View President

1230 [Address], Kansas City, Mo.



DISTRICT STEAM HEAT SYSTEM  
SCENARIO #0

Date Effective: January 1, 1987

Date of Issue: July 7, 1986

FORM NO. 13

P. S. C. MO. No. 7

Third (XXXXXX) SHEET No. 1  
Revised

Cancelling P. S. C. MO. No. 7

Second (XXXXXX) SHEET No. 1  
Revised

**KANSAS CITY POWER & LIGHT COMPANY**  
Name of Issuing Corporation or Municipality

For KANSAS CITY, MISSOURI  
Community, Town or City

**GENERAL USE RATE FOR STEAM**

**APPLICABILITY:**

Applicable to commercial consumers and to governmental bodies and agencies using steam service for the purposes included in the availability clause hereof.

**AVAILABILITY:**

Available for space heating and cooling, water heating, refrigeration, cooking and industrial processing purposes. Not available for use in the generation of electricity.

**RATE:**

**BASE USE:**

- \$24.41 per 1000 pounds for the first 20,000 pounds used in each month;
- \$19.12 per 1000 pounds for the next 480,000 pounds used in each month;
- \$17.40 per 1000 pounds for the next 1,500,000 pounds used in each month;
- \$16.06 per 1000 pounds for all over 2,000,000 pounds used in each month.

**EXCESS USE:**

- \$27.17 per 1000 pounds for the first 20,000 pounds used in each month, reduced by the number of pounds of base use up to 20,000 pounds;
- \$22.39 per 1000 pounds of all the remainder of the first 500,000 pounds of excess use in each month;
- \$20.89 per 1000 pounds for all over 500,000 pounds used in each month.

ECPL FORM 01-01 REV. 2/78

DATE OF ISSUE JULY 7, 1988

DATE EFFECTIVE JANUARY 1, 1987

ISSUED BY L. C. Blumstein  
Name of Officer

Vice President  
Title

180 Bellvue, Kansas City, Mo.  
Address

**KANSAS CITY POWER & LIGHT COMPANY**

Home of Heating Corporation or Municipality

For Kansas City, Missouri  
Community, Town or City

**GENERAL USE RATE FOR STEAM (continued)**

**FUEL ADJUSTMENT:**

The foregoing rates are based on a fuel cost to the Company of 237.95c per million BTU, and for any month in which the fuel cost in the next preceding month shall have been more or less than 237.95c, the rates for service hereunder shall be increased or decreased 1.715c per thousand pounds of steam for each one cent (or proportionately for fractional parts thereof) of such increase or decrease from 237.95 cents.

The "fuel cost" as used herein is as fired in the Grand Avenue Station in Kansas City, Missouri, and shall mean the cost to the Company of fuel burned meaning coal, gas, oil or any other fuel used in the production of steam and shall include the fixed charges, operation, maintenance and other operating expenses incurred by the Company for transportation equipment used to transport fuel from the point of acquisition to the unloading point, the cost to the Company of such transportation equipment in the case of lease or rental, the cost of products added prior to or in the burning cycle, the cost of other materials used to control emission of products of combustion and, in the case of fuel that has been in storage as a reserve against shortage, the costs of all unloading, storage, reloading, switching and other charges incurred by the Company in maintaining a sufficient supply of fuel to insure the operation of its plants and the supply of steam hereunder.

**TAX ADJUSTMENT:**

There shall be added to the monthly bill of the customer, as separate items, a surcharge equal to the proportionate part of any license, occupation, or other similar fee or tax applicable to steam service by the Company to the customer, which fee or tax is imposed upon the Company by taxing authorities on the basis of the gross receipts, net receipts, or revenues from steam sales by the Company.

**MINIMUM:**

\$129.25 per month for the months of November to April, inclusive.

DATE OF ISSUE July 7, 1946

DATE EFFECTIVE January 1, 1947

ISSUED BY L. C. Robinson

Vice President

220 William, Kansas City, Mo.

**KANSAS CITY POWER & LIGHT COMPANY**

Name of Issuing Corporation or Municipality

For Kansas City, Missouri  
Community, Town or City

**LOW PRESSURE ORIFICE RATE FOR STEAM**

**APPLICABILITY:**

Applicable to commercial consumers and to governmental bodies and agencies using steam service for the purposes included in the availability clause hereof.

**AVAILABILITY:**

The use of steam under this schedule is limited to installations where it is impractical to meter the amount of steam used or obtain the condensation resulting from its use. The customer must make application for this class of service and the Company will install a standard orifice in the Company's supply pipe which orifice will be kept under seal by the Company.

**RATE:**

1/8" orifice: \$108.86 per month.

1/4" orifice: \$303.13 per month.

**HOURS OF OPERATION:**

The rate is predicated upon steam being used for not more than eight hours per day. If steam is used for longer periods, then the rate shall be increased in proportion as time of operation is increased.

**FUEL ADJUSTMENT:**

For purposes of Application of the Fuel Adjustment Clause, the 1/8" orifice is estimated to use 4623 pounds of steam per month and the 1/4" orifice is estimated to use 18,250 pounds of steam per month based upon steam being used for not more than eight hours per day. If steam is used for longer periods, then the estimated use shall be increased in proportion as time of operation is increased.

The foregoing rates are based on a fuel cost to the Company of 237.95c per million Btu and for any month in which the fuel cost in the next preceding month shall have been more or less than 237.95c, the rates for service hereunder shall be increased or decreased 1.715c per thousand pounds of steam for each one cent (or proportionately for fractional parts thereof) of such increase or decrease from 237.95 cents.

DATE OF ISSUE July 7, 1986

DATE EFFECTIVE January 1, 1987

ISSUED BY L. C. [Name]

Vice President

1301 Bellvue, Kansas City, Mo.

KCP&L Form No. 101 REV. 2/76

Cancelling P. S. C. MO. No. ....

{ Original  
Revised }

SHEET No. ....

**KANSAS CITY POWER & LIGHT COMPANY**

Name of Issuing Corporation or Municipality

For **Kansas City, Missouri**  
Community, Town or City

**CONVERSION SCHEDULE**

KCPL shall have no obligation to offer or provide steam service from its Grand Avenue Station facilities, but may instead offer to provide either electric boilers or all-electric heating equipment, as provided in the applicable tariffs, rules and regulations and Commission orders, to its steam service customers located in the following areas of its steam service territory, as described and set forth on the attached map, on and after the corresponding Conversion Date:

<u>Area</u>	<u>Conversion Date:</u>
1 through 4, inclusive	January 1, 1987
5 through 6, inclusive	January 1, 1987
7 through 8, inclusive	January 1, 1988
9 through 10, inclusive	January 1, 1989
11	January 1, 1990

KCPL FORM 61-101 (REV. 2/78)

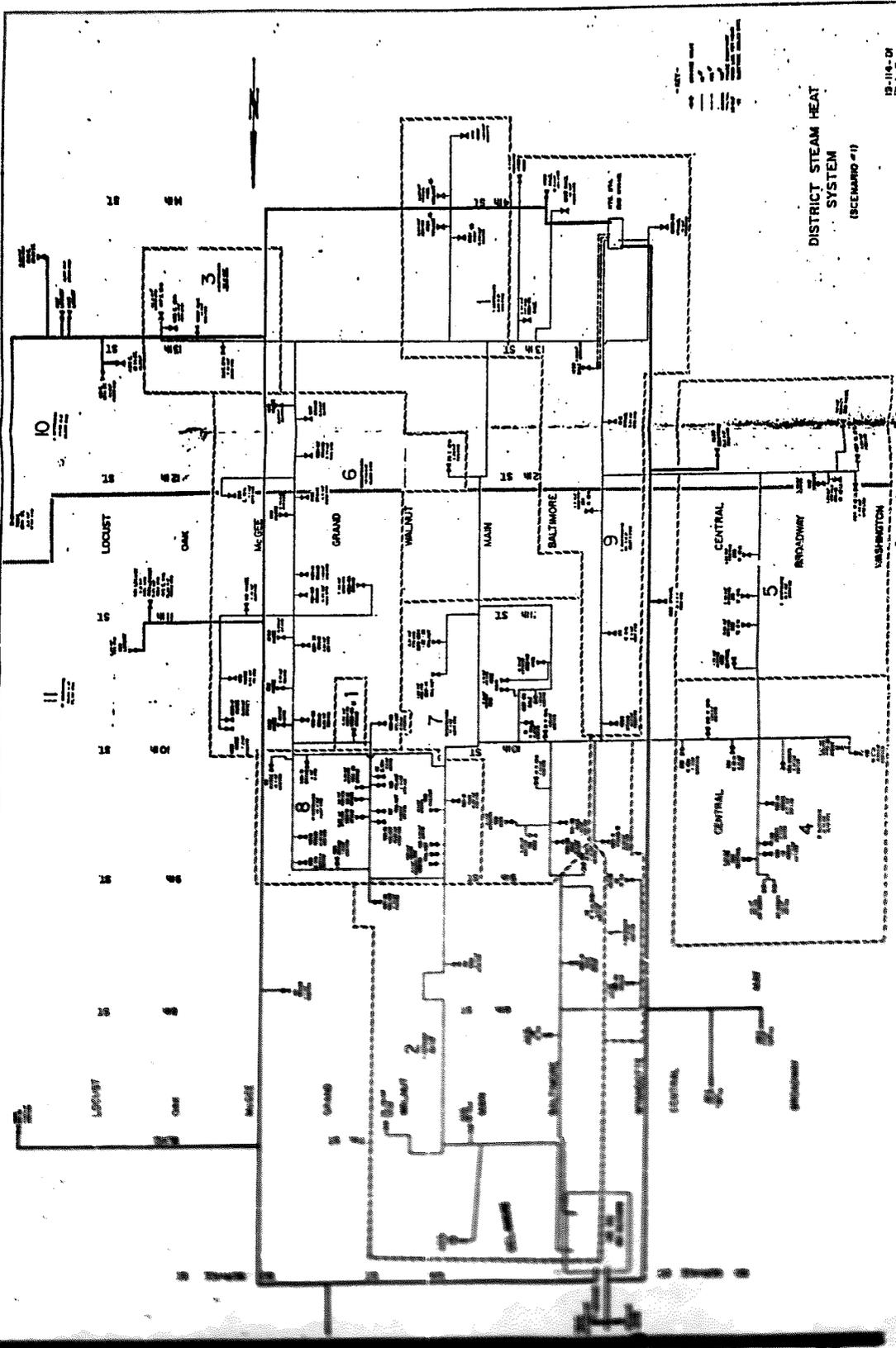
DATE OF ISSUE July 7, 1986

DATE EFFECTIVE January 1, 1987

ISSUED BY L. C. [Name]  
Name of officer

Vice President  
Title

1130 [Address], Kansas City, Mo.  
Address



DISTRICT STEAM HEAT SYSTEM  
(SCENARIO #1)

Date Effective: January 1, 1987

Date of Issue: July 7, 1986

12-116-01

Schedule 6  
Sponsor: R. A. Kite

FORM NO. 13

P. S. C. MO. No. 4

First { Original Revised } SHEET No. 10.01

Cancelling P. S. C. MO. No. 4

{ Original Revised } SHEET No. 10.01  
For Kansas City, Missouri  
Community, Town or City

**KANSAS CITY POWER & LIGHT COMPANY**  
Name of Issuing Corporation or Municipality

**GENERAL RULES AND REGULATIONS  
APPLYING TO STEAM SERVICE**

**1. DEFINITIONS**

- .01 Company
- .02 Commission
- .03 Person
- .04 Customer
- .05 Steam Service
- .06 Premises
- .07 Building
- .08 Customer's Installation
- .09 Point of Delivery
- .10 Meter Installation
- .11 Month
- .12 Service Agreement
- .13 Scope of Applicability

**2. SERVICE AGREEMENTS**

- .01 Application for Service
- .02 Provisions
- .03 Modifications
- .04 Minimum Initial Term
- .05 Credit Regulations
- .06 Customer Insolvency
- .07 Succession and Assignment
- .08 Authority
- .09 Waiver

KCPL FORM 81-101 (REV. 2/78)

DATE OF ISSUE July 7, 1968

DATE EFFECTIVE July 1, 1967

ISSUED BY L. C. [Name]

Vice President

1330 Baltimore, Kansas City, Mo.

**KANSAS CITY POWER & LIGHT COMPANY**

Name of Issuing Corporation or Municipality

For **Kansas City, Missouri**  
Community, Town or City

**GENERAL RULES AND REGULATIONS  
APPLYING TO STEAM SERVICE (continued)**

**3. SUPPLYING STEAM SERVICE**

- .01 Supplying of Steam Service
- .02 Class of Service
- .03 Prior Indebtedness of Customer
- .04 Customer to Furnish Right-of-Way
- .05 Access to Customer Premises
- .06 Delivery of Steam Service to Customer
- .07 Company Responsibility
- .08 Continuity of Service
- .09 Suspension of Service
- .10 Restoration of Service
- .11 Application of Rate Schedule
- .12 Discontinuance of Steam Service
- .13 Reconnection of Steam Service
- .14 Refusal to Serve
- .15 Property of the Company
- .16 Liability of Company

**4. TAKING STEAM SERVICE**

- .01 Customer's Installation
- .02 Other Sources
- .03 Customer Responsibility
- .04 Standards and Approvals
- .05 Dangerous, Disturbing or Improper Uses
- .06 Inspections and Recommendations
- .07 Modification of Customer's Installation
- .08 Facilities Extension
- .09 Protection of Company's Property
- .10 Tampering with Company or Customer Facilities
- .11 Unmetered Service
- .12 Attachments to Company's Facilities
- .13 Indemnity to Company

**5. MULTIPLE OCCUPANCY PREMISES**

- .01 General Metering for Multiple Occupancy Premises or Building
- .02 Redistribution
- .03 Resale

KCPL FORM 81-101, REV. 2/78

DATE OF ISSUE July 7, 1985

DATE EFFECTIVE January 1, 1987

ISSUED BY L. C. Bassett

Vice President

1337 Eastmore, Kansas City, Mo.

FORM NO. 13

P. S. C. MO. No. 4

First { Original } SHEET No. 10.03  
          { Revised }

Cancelling P. S. C. MO. No. 4

For { Original } SHEET No. 10.03  
      { Revised }  
      Kansas City, Missouri  
      Community, Town or City

**KANSAS CITY POWER & LIGHT COMPANY**  
Name of Issuing Corporation or Municipality

**GENERAL RULES AND REGULATIONS**  
**APPLYING TO STEAM SERVICE (continued)**

**6. METERING**

- .01 Meter Installation
- .02 Multiple Metering
- .03 Meter Reading
- .04 Equipment Seals
- .05 Estimated Billing due to Unread Meters
- .06 Accuracy and Tests
- .07 Evidence of Consumption
- .08 Billing Adjustments

**7. CHOICE AND APPLICATION OF RATE SCHEDULES**

- .01 Posting
- .02 Choice by Customer
- .03 Assistance by Company
- .04 Change of Rate Schedules

**8. BILLING AND PAYMENT**

- .01 Billing
- .02 Payment of Bills
- .03 Default
- .04 Mailing Bills

**9. AGREEMENTS**

- .01 Steam Service Agreement
- .02 Steam Service Conversion Agreement

KCPL FORM 8-1-101 (REV. 2/78)

DATE OF ISSUE July 7, 1965

DATE EFFECTIVE January 1, 1967

ISSUED BY L. C. Burrows

Vice President

1200 Baltimore, Kansas City, Mo.

{ Original Revised }

{ Original Revised }

KANSAS CITY POWER & LIGHT COMPANY

Name of Issuing Corporation or Municipality

For Kansas City, Missouri Community, Town or City

GENERAL RULES AND REGULATIONS APPLYING TO STEAM SERVICE (continued)

1. DEFINITIONS

The following terms, when used in these General Rules and Regulations, in rate schedules and in service agreements, shall, unless otherwise indicated therein, have the meanings given below:

1.01 COMPANY: KANSAS CITY POWER & LIGHT COMPANY, any successor or assignee thereof acting through its duly authorized officers, agents or employees within the scope of their respective duties and authorities.

1.02 COMMISSION: THE PUBLIC SERVICE COMMISSION OF THE STATE OF MISSOURI or any successor thereof having jurisdiction of the subject matter hereof.

1.03 PERSON: Any individual, partnership, co-partnership, firm, company, public or private corporation, association, joint stock company, trust, estate, political subdivision, governmental agency or other legal entity recognized by law.

1.04 CUSTOMER: Any person receiving and using steam service supplied by the Company under one rate schedule for use within a single premises or building owned, leased or occupied, or upon consent of the Company, managed by such person or his authorized agent.

1.05 STEAM SERVICE: The availability of steam supplied by the Company at a point of delivery on or near the Customer's premises, at approximately the standard pressure and temperature for a class of service made available by the Company in that area, which source is adequate to meet the Customer's requirements as stated or implied in the Customer's service agreement irrespective of whether or not the Customer makes use of such steam service.

1.06 PREMISES: That separate walled portion of a single building undivided by any common area, or that separate portion of a single contiguous tract of land (including all improvements thereon) undivided by any way used by the public, which portion is owned, leased, occupied or managed by the Customer.

1.07 BUILDING: A single structure which is unified in its entirety, both physically and in operation. Separate structures on the same tract of land, or separate structures on adjoining tracts of land (even though separated by a public or private way), may be considered as a building if such separate structures are physically joined by an enclosed and unobstructed passageway at or above ground level and both are occupied and used by the Customer for one single business enterprise.

KCP&L FORM 81-101 REV. 2/78

DATE OF ISSUE July 7, 1988

DATE EFFECTIVE JANUARY 1, 1987

ISSUED BY A. C. [Name] Name of officer

Vice President

1234 [Address] Kansas City, Mo. address

**GENERAL RULES AND REGULATIONS  
 APPLYING TO STEAM SERVICE (continued)**

**1. DEFINITIONS (continued)**

**1.08 CUSTOMER'S INSTALLATION:** All pipes, appliances and apparatuses of every kind and nature on the Customer's premises on the Customer's side of the point of delivery (except the Company's meter installation) used or useful by the Customer in connection with the receipt and utilization of steam service supplied by the Company.

**1.09 POINT OF DELIVERY:** The point at which the Company's entrance valve connects with the Customer's installation, unless otherwise specified in the Customer's service agreement.

**1.10 METER INSTALLATION:** The meter or meters, together with auxiliary devices, if any, constituting the complete installation needed by the Company to measure the steam service supplied to a Customer at a single point of delivery.

**1.11 MONTH:** An interval of approximately thirty (30) days, unless specified or appearing from the context to be a calendar month.

**1.12 SERVICE AGREEMENT:** The application, agreement or contract, express or implied, pursuant to which the Company supplies steam service to the Customer.

**1.13 SCOPE OF APPLICABILITY:** These rules and regulations and any steam service agreements hereunder shall be applicable only to steam service supplied from the Company's existing integrated steam transmission and distribution facilities and all completed extensions thereto (the "system facilities") and steam service supplied from Company owned electric boilers and associated facilities, used or useful by the Company in supplying steam service to the public within the corporate limits, as now or hereafter established, of Kansas City, Missouri.

**2. SERVICE AGREEMENTS**

**2.01 APPLICATION FOR SERVICE:** The Company is phasing out the system facilities pursuant to its conversion plan which is on file and approved by the Commission, and all applications for service are subject to the terms, conditions and availability of service provisions contained in such plan, which is incorporated by reference herein. Steam Service will be made available by the Company only to a premise or building which was served under the Company's applicable steam service schedules as of the effective date of this schedule.

KCPL FORM 81-101 (REV. 2/78)

KANSAS CITY POWER & LIGHT COMPANY

of Issuing Corporation or Municipality

For Kansas City, Missouri Community, Town or City

GENERAL RULES AND REGULATIONS APPLYING TO STEAM SERVICE (continued)

2. SERVICE AGREEMENTS (continued)

2.02 PROVISIONS: Steam service will be supplied to the Customer under the provisions of the Customer's service agreement which shall also include the provisions of (a) the Company's applicable rate schedule, rules and regulations in effect and on file with the Commission, and (b) the Commission's applicable general orders. The taking of steam service by a Customer will constitute acceptance of, and an agreement to be bound by, all such provisions. The Company shall require all or any portion of the Customer's service agreement to be executed in writing on a form furnished by the Company.

2.03 MODIFICATIONS: A service agreement shall be subject to modification from time to time during the term thereof in accordance with all applicable changes in the Company's rate schedules, rules and regulations and the Commission's general orders as authorized by law.

2.04 TERM: All service agreements shall terminate on or before December 31, 1995.

2.05 CREDIT REGULATIONS: A cash deposit, indemnity bond, or other credit arrangement to secure the prompt payment of steam service bills may be required by the Company as a condition of supplying or continuing to supply steam service to a Customer. Such credit arrangement shall be in an amount to be determined by the Company but not to exceed such amount as may be permitted by General Order No. 20, Rule 12, of the Commission. Such credit arrangement may be terminated and any cash deposit refunded by the Company at any time when the Customer has established a credit rating satisfactory to the Company. Interest will accrue on any cash deposit held by the Company as and to the extent required by general orders of the Commission or other applicable State law. Upon termination of steam service to a Customer, the Company shall refund to the Customer the amount of any such cash deposit (and interest, if any, thereon) remaining after the application of such deposit and interest to any indebtedness of the Customer to the Company.

2.06 CUSTOMER INSOLVENCY: A service agreement shall at the option of the Company, cease and terminate and all amounts due the Company thereunder shall become immediately payable without further notice in case any act of bankruptcy is made or committed by the Customer, or any petition in bankruptcy, either voluntary or involuntary, is filed by or against the Customer, or, if the Customer is an agent, his principal.

KCP&L FORM 81-101 (REV. 2/78)

DATE OF ISSUE July 7, 1995

DATE EFFECTIVE January 1, 1997

ISSUED BY L. C. [Name] Vice President

1275 Ballinger, Kansas City, Mo.

[Address]

FORM NO. 13 P. S. C. MO. No. 4 First { Original } SHEET No. 10.07  
 { Revised }  
 Cancelling P. S. C. MO. No. 4 { Original } SHEET No. 10.07  
 { Revised }  
**KANSAS CITY POWER & LIGHT COMPANY**  
 Name of Issuing Corporation or Municipality For Kansas City, Missouri  
 Community, Town or City

GENERAL RULES AND REGULATIONS  
 APPLYING TO STEAM SERVICE (continued)

2. SERVICE AGREEMENTS (continued)

2.07 SUCCESSION AND ASSIGNMENT: A service agreement shall inure to the benefit of and be binding upon the Customer's successors by operation of law but shall not be assignable voluntarily by the Customer.

2.08 AUTHORITY: No representative, agent or employee of the Company, except a corporate officer, shall have authority to amend, alter, waive or change any of the Company's rules and regulations or otherwise bind the Company by promises or representatives.

2.09 WAIVER: Waiver by the Company with respect to any default by a Customer in complying with the provisions of his service agreement shall not be deemed to be a waiver with respect to any other or subsequent default by such Customer.

3. SUPPLYING STEAM SERVICE

3.01 SUPPLYING OF STEAM SERVICE: Except as otherwise provided by Rule 9 hereof, steam service will be supplied by the Company under an available rate schedule only at such premises or buildings as are adjacent to existing system facilities of the Company which are adequate and suitable, as to capacity, pressure, temperature and other characteristics, to supply steam service for the requirements of the Customer, unless special arrangements are made between the Customer and the Company. Upon application by the Customer, the Company may permit separate buildings or adjoining tracts of land owned or occupied by the Customer to be served by the Company through a single point of delivery.

3.02 CLASS OF SERVICE: All steam service will be supplied in the form and at pressures, temperatures and other characteristics as designated by the Company. The class or classes of steam service which will be designated by the Company will depend upon the location, size, type and other characteristics of the Customer's requirements.

3.03 PRIOR INDEBTEDNESS OF CUSTOMER: The Company shall not be required to supply steam service to a Customer if, at the time of application, such Customer is indebted to the Company for steam service previously supplied at such premises or any other premises until payment of such indebtedness shall have been made.

KCPL FORM 1-101 (REV. 2/78)

DATE OF ISSUE July 7, 1988 DATE EFFECTIVE January 1, 1987

ISSUED BY L. C. Burman Vice President 1200 Delaware, Kansas City, Mo.  
 Name of Officer Address

**KANSAS CITY POWER & LIGHT COMPANY**  
Name of Issuing Corporation or Municipality

For **Kansas City, Missouri**  
Community, Town or City

**GENERAL RULES AND REGULATIONS  
APPLYING TO STEAM SERVICE (continued)**

**3. SUPPLYING STEAM SERVICE (continued)**

**3.04 CUSTOMER TO FURNISH RIGHT-OF-WAY:** The Customer will provide or procure for the Company such rights-of-way as are satisfactory to the Company, across property owned or otherwise controlled by the Customer, for the construction, operation and maintenance by the Company of its facilities necessary or incidental to the supplying of such steam service to the Customer's premises.

**3.05 ACCESS TO CUSTOMER PREMISES:** The Customer shall give the duly authorized agents and employees of the Company, when properly identified, full and free access to the premises of the Customer for the purpose of constructing, installing, inspecting, adjusting, repairing, maintaining, replacing or removing any of the Company's facilities on the premises of the Customer, for the purpose of inspecting any of the Customer's facilities on the premises of the Customer, reading meters, or for any other purpose incidental to the steam service supplied by the Company.

**3.06 DELIVERY OF STEAM SERVICE TO CUSTOMER:** The Company shall not be obligated to extend its facilities or any service pipe onto privately owned property to serve any Customer. The Company shall supply steam service to the Customer at the point of delivery. The Customer shall provide a service entrance to be located at a suitable point on the Customer's premises as specified by the Company, and shall, if required by the Company, reimburse the Company for the cost of installing service pipe, if any, between the property line and the point of delivery.

**3.07 COMPANY RESPONSIBILITY:** The obligation of the Company to supply steam service to the Customer shall be completed by the supplying of such steam service at the point of delivery for the operation of all steam and heating equipment of the Customer. The Company shall not be obligated to supply steam service to a Customer for a portion of the steam and heating requirements of the Customer, except pursuant to an applicable rate schedule therefor. The responsibility of the Company for the quality of service and operation of its facilities ends at the point of delivery. The Company shall be required only to furnish, install and maintain one connection from its system facilities, or electric boiler, service pipe from such connection to the point of delivery, one entrance valve and meter installation to measure such steam service to the Customer; provided that the Company may at its option supply steam service to a customer at one or more points of delivery or measure the steam service supplied with multiple metering installations as a convenience to the Company or if it is more economical for the Company to do so.

KCPL FORM 81-101 - REV. 2/78

DATE OF ISSUE July 7, 1988

DATE EFFECTIVE JANUARY 1, 1987

ISSUED BY L. C. Bannerman  
Name of Officer

Vice President  
Title

1130 Baltimore, Kansas City, Mo.  
Address

**GENERAL RULES AND REGULATIONS  
 APPLYING TO STEAM SERVICE (continued)**

**3. SUPPLYING STEAM SERVICE (continued)**

**3.08 CONTINUITY OF SERVICE:** The Company will use reasonable diligence to supply continuous steam service to the Customer but does not guarantee the supply of steam service against irregularities or interruptions. The Company shall not be considered in default of its service agreement with the Customer and shall not otherwise be liable for any damages occasioned by any irregularity or interruption of steam service.

**3.09 SUSPENSION OF SERVICE:** The Company reserves the right to suspend steam service to the Customer for temporary periods as may be necessary for inspections, maintenance, alterations, changes, replacement or emergency repairs of its steam facilities.

**3.10 RESTORATION OF SERVICE:** In all cases of interruption or suspension of service, the Company will make reasonable efforts to restore service without unnecessary delay. Labor disturbances affecting the Company or involving employees of the Company may be resolved by the Company at its sole discretion.

**3.11 APPLICATION OF RATE SCHEDULE:** Neither interruption nor suspension of steam service by the Company shall relieve the Customer from charges provided for in the Customer's service agreement.

**3.12 DISCONTINUANCE OF STEAM SERVICE:** The Customer shall at all times observe and perform his obligations to the Company under his service agreement. The Company shall have the right to discontinue steam service to a Customer and remove its facilities or any portion thereof from the Customer's premises upon any default by the Customer of any provision thereof. The Company reserves the right, in addition to any and all other legal remedies, to refuse to reconnect steam service to any Customer disconnected hereunder until such default shall have been remedied by the Customer. Except in cases of (a) tampering in violation of Rule 4.10 hereof, (b) dangerous, disturbing or improper uses in violation of Rule 4.05, or (c) an order or directive of the Commission or other governmental agency or court requiring the discontinuance of service, the Company shall give to the Customer written notice of its intention to discontinue such steam service, which notice shall state the reason therefor and the date on or after which such discontinuance may be effected by the Company. Such notice shall be mailed to or served upon the Customer as may be provided for by general order of the Commission or other applicable State law.

KCPL FORM 8-1-101 (REV. 2/78)

**KANSAS CITY POWER & LIGHT COMPANY**

Name of Issuing Corporation or Municipality

**GENERAL RULES AND REGULATIONS  
APPLYING TO STEAM SERVICE (continued)**

**3. SUPPLYING STEAM SERVICE (continued)**

3.13 RECONNECTION OF STEAM SERVICE: If steam service is discontinued for nonpayment by the Customer of any delinquent steam service bill, the Company shall not be required to reconnect steam service to the Customer until all such delinquent bills have been paid, and the Customer shall have complied with the credit regulations of the Company.

3.14 REFUSAL TO SERVE: The Company may refuse to supply steam service to any Customer who fails or refuses to comply with any provisions of any applicable law, general order of the Commission or rate schedule, rule or regulation of the Company in effect and on file with the Commission.

3.15 PROPERTY OF THE COMPANY: All facilities furnished and installed by the Company on the premises of the Customer for the supply of steam service to the Customer shall be and remain the exclusive property of the Company except as provided in Agreement in Section 9.02. All facilities on the premises of the Customer which are or become the property of the Company shall be operated and maintained by and at the expense of the Company, may be replaced by the Company at any time, and may be removed by the Company upon termination of the Customer's service agreement or upon discontinuance by the Company of steam service to the Customer for any reason. If a customer enters into the agreement set forth in Section 9.02, the terms and conditions of this section shall be superseded to the extent that they are in conflict with specific terms and conditions of the agreement.

3.16 LIABILITY OF COMPANY: The Company shall not be considered in default of its service agreement and shall not otherwise be liable on account of any failure by the Company to perform any obligation if prevented from fulfilling such obligation by reason of delivery delays, breakdowns of or damage to facilities, Acts of God or public enemy, strikes or other labor disturbances involving the Company or the Customer, civil, military or governmental authority, or any cause beyond the control of the Company.

**4. TAKING STEAM SERVICE**

4.01 CUSTOMER'S INSTALLATION: Any and all pipes, radiators or appliances (except the Company's metering installation) required to control, regulate or utilize beyond the point of delivery the steam service supplied by the Company shall be furnished, installed and maintained by, and shall be the sole responsibility of, the Customer. The Customer's installation must be accessible for inspection by the Company.

DATE OF ISSUE July 7, 1936

DATE EFFECTIVE January 1, 1937

ISSUED BY L. C. Bessmer

Vice President

1170 Bellvue, Kansas City, Mo.

KCPL FORM 81-101, REV. 2/78

**KANSAS CITY POWER & LIGHT COMPANY**

Name of Issuing Corporation or Municipality

For **Kansas City, Missouri**  
Community, Town or City

**GENERAL RULES AND REGULATIONS  
APPLYING TO STEAM SERVICE (continued)**

**4. TAKING STEAM SERVICE (continued)**

**4.02 OTHER SOURCES:** The Customer's installation shall have no connection to or from any other source of steam supply.

**4.03 CUSTOMER RESPONSIBILITY:** The Customer shall be responsible for determining in advance, through application to the Company, the class or classes of steam service which will be designated by the Company and made available to the Customer and the applicable conditions of such steam service. The Customer shall be responsible for determining whether the Customer's installation, and all portions thereof, are or will be suitable for operation at the temperature, pressure and other characteristics of the class of service to be supplied by the Company.

**4.04 STANDARDS AND APPROVALS:** The Customer's installation must conform with (a) all applicable laws, (b) the requirements of all governmental authorities having jurisdiction, (c) these rules and regulations, and (d) other reasonable requirements of the Company. All required approvals of the Customer's installation must be obtained by the Customer before the Company shall be obligated to commence or continue supplying steam service to the Customer.

**4.05 DANGEROUS, DISTURBING OR IMPROPER USES:** The Customer shall use the steam service supplied by the Company with due regard to the effect of such use on the Company's steam service to its other Customers and on the facilities and equipment of the Company. The Customer shall maintain his steam installation so as to prevent the loss of steam or condensate. The Company may refuse to supply steam service or may suspend steam service to a Customer, without notice, if the Customer's installation is in an unsafe, dangerous or unsound condition, or is so designed or operated as to disturb the steam service supplied by the Company to other Customers. Any experimental or unusual steam devices are expressly designated as disturbing uses and shall not be connected to the Customer's installation, except upon such prior special arrangements as may be made with the Company.

**4.06 INSPECTIONS AND RECOMMENDATIONS:** The responsibility of the Customer regarding his use of the steam service supplied by the Company is not set aside, and the Company shall in no way be liable, on account of any inspections or recommendations by the Company which are made as a courtesy to the Customer or as a protection to the steam service supplied by the Company to its other Customers. The Company reserves the right, but assumes no duty, to inspect the Customer's installation.

KCPL FORM 81-101 - REV. 2/78

DATE OF ISSUE JULY 7, 1986

DATE EFFECTIVE JANUARY 1, 1987

ISSUED BY L. C. Bussanese  
Name of Officer

Vice President  
Title

1130 Baltimore, Kansas City, Mo.  
Address

FORM NO. 13 P. S. C. MO. No. 4

First { Original } SHEET No. 10.12  
Revised

Cancelling P. S. C. MO. No. 4

{ Original } SHEET No. 10.12  
Revised

**KANSAS CITY POWER & LIGHT COMPANY**  
Name of Issuing Corporation or Municipality

For **Kansas City, Missouri**  
Community, Town or City

**GENERAL RULES AND REGULATIONS  
APPLYING TO STEAM SERVICE (continued)**

**4. TAKING STEAM SERVICE (continued)**

**4.07 MODIFICATION OF CUSTOMER'S INSTALLATION:** The Customer shall not, without prior written notice to and agreement with the Company, modify any part of the Customer's installation which might (a) impair the quality of his service, (b) result in increased load requirements beyond the capacity of the existing system or electric boiler facilities and service pipe which serve the Customer, or (c) affect the operation of the Company's meter installation.

**4.08 FACILITIES EXTENSION:** The Customer shall, if required by the Company, provide on his premises necessary space and right-of-way for the installation by the Company of its equipment and other necessary facilities for extension of the Company's service pipe through the Customer's building or premises for the purpose of supplying adjacent or nearby buildings or premises with steam service. The Company shall have the right of full and free ingress and egress to all of its steam facilities. After any such facilities have been located on the premises of the Customer, the cost of any subsequent change in the location thereof, made at the request of the Customer, shall be paid for by the Customer if required by the Company.

**4.09 PROTECTION OF COMPANY'S PROPERTY:** The Customer at all times shall protect the property of the Company on the premises of the Customer and shall permit no person other than the employees and agents of the Company and other persons authorized by law to inspect, work on, open or otherwise handle the valves, meters or other facilities of the Company. In case of loss or damage to the property of the Company on account of any carelessness, neglect or misuse by the Customer, or his agents, servants or employees, the Customer shall, at the request of the Company, pay to the Company the cost of any necessary repairs or replacements of such facilities or the value of such facilities.

**4.10 TAMPERING WITH COMPANY OR CUSTOMER FACILITIES:** The Company may discontinue service to a Customer and remove its facilities from the Customer's premises, without notice, in case evidence is found that any portion of the Company's or the Customer's facilities has been tampered with in such manner that the Customer may have received unmetered service.

**4.11 UNMETERED SERVICE:** The Company may require the Customer to pay for steam service as the Company may estimate from available information, to have been used but not registered by the Company's meter for any reason whatsoever and to increase the amount of his cash deposit or indemnity bond or other credit arrangement before steam service is restored.

KCPL FORM 81-101 REV. 2/78

DATE OF ISSUE July 7, 1988

DATE EFFECTIVE JANUARY 1, 1987

ISSUED BY L. C. Bussanese

Vice President

1330 Baltimore, Kansas City, Mo.

{ Original Revised }

{ Original Revised }

**KANSAS CITY POWER & LIGHT COMPANY**

Name of Issuing Corporation or Municipality

For **Kansas City, Missouri**  
Community, Town or City

**GENERAL RULES AND REGULATIONS  
APPLYING TO STEAM SERVICE (continued)**

**4. TAKING STEAM SERVICE (continued)**

4.12 ATTACHMENTS TO COMPANY'S FACILITIES: Except upon prior written consent of the Company, no person shall attach anything of any kind or nature to the steam facilities of the Company wherever located, and the Company reserves the right to remove forthwith and without notice any unauthorized attachment to its facilities.

4.13 INDEMNITY TO COMPANY: The Customer shall indemnify, save harmless and defend the Company against all claims, demands, cost or expense, for loss, damage or injury to persons or property, in any manner directly or indirectly connected with, or growing out of the distribution or use of steam service by the Customer at or on the Customer's side of the point of delivery.

**5. MULTIPLE OCCUPANCY PREMISES**

5.01 GENERAL METERING FOR MULTIPLE OCCUPANCY PREMISES OR BUILDING: The Company may at its option supply steam service to a Customer for the Customer's multiple occupancy premises or building, pursuant to the conditions provided in this Rule 5.

5.02 REDISTRIBUTION: "Redistribution" shall mean the furnishing of steam service by the Customer to separate premises occupied by another person within any multiple occupancy building or tract of land if such premises are owned, leased or controlled by the Customer, without making a specific or separate charge for the steam service so furnished. The Company will supply steam service to the owner, lessor, lessee or operator of such premises, as the Customer of the Company, under an applicable rate schedule, and the Customer may, by redistribution, furnish steam service to his tenants in such premises on a rent inclusion basis only; i.e., as an incident of the tenancy and without a specific or separate charge for the steam service so furnished by the Customer to his tenant, or a variable rental on account thereof.

5.03 RESALE: "Resale" shall mean the furnishing of steam service by a Customer to the occupant of separate premises, within any multiple occupancy building or tract of land, which is owned, leased or otherwise controlled by the Customer, under any arrangement whereby the Customer makes a specific or separate charge, either in whole or in part, for the steam service so furnished. Resale shall not be permitted without the prior written consent of the Company, which consent shall not be granted unless redistribution pursuant to Rule 5.02 hereof shall, in the sole discretion of the Company, be deemed impractical. Upon application and if consent is granted as herein specified, the Company will supply steam service to the Customer, under an applicable

KCPL FORM 81-101, REV. 2/78

DATE OF ISSUE July 7, 1986

DATE EFFECTIVE January 1, 1987

ISSUED BY L. C. Bussness

Vice President

1230 Baltimore, Kansas City, Mo.



{ Original Revised }

{ Original Revised }

**KANSAS CITY POWER & LIGHT COMPANY**

Name of Issuing Corporation or Municipality

For **Kansas City, Missouri**

Community, Town or City

**GENERAL RULES AND REGULATIONS  
APPLYING TO STEAM SERVICE (continued)**

**6. METERING (continued)**

6.05 ESTIMATED BILLING DUE TO UNREAD METERS: If, due to circumstances or conditions beyond the control of the Company or if it is otherwise impractical for the Company to read the meter on a scheduled meter reading day, the Company may leave on the premises of the Customer a business reply card with instructions thereon as to how the Customer shall read the meter and mail the information to the Company. If no meter reading is obtained in time for billing as scheduled, then the Company shall render an "estimated bill" based on the usage of the Customer. Estimated bills shall be adjusted in the next subsequent billing based upon a reading of the meter by the Company.

6.06 ACCURACY AND TESTS: The accuracy and testing of the Company's meters shall be in accordance with any general orders of the Commission applying thereto.

6.07 EVIDENCE OF CONSUMPTION: The registration of the Company's meters will be accepted and received at all times and places as prima facie evidence of the amount of steam taken by the Customer.

6.08 BILLING ADJUSTMENTS: Any bill which is improper due to the escape of condensate before it is registered by the meter, the metering of noncondensate water or similar malfunctions of the Customer's installation shall be subject to adjustment for the entire period during which the particular malfunction existed, not to exceed 60 consecutive months.

**7. CHOICE AND APPLICATION OF RATE SCHEDULES**

7.01 POSTING: The rate schedules of the Company currently in effect and on file with the Commission will be made available by the Company for inspection by any Customer during working hours at the principle business office of the Company.

7.02 CHOICE BY CUSTOMER: If a Customer is eligible to take steam service from the Company under any one of two or more applicable rate schedules available for the class of steam service to be supplied by the Company, the choice of such rate schedule shall lie with the Customer.

7.03 ASSISTANCE BY COMPANY: A Customer will be assisted by the Company in the selection of the rate schedule under which steam service will be supplied to such Customer, based on the information at hand, but the responsibility for the selection of such rate schedule shall lie with the Customer.

KCP&L FORM 81-103 (REV. 2/73)

DATE OF ISSUE July 7, 1986

DATE EFFECTIVE JANUARY 1, 1987

ISSUED BY L. C. [Name]

Vice President

1230 Baltimore, Kansas City, Mo.

FORM NO. 13

P. S. C. MO. No. 4

Second

{ Original  
Revised }

SHEET No. 10.16

Cancelling P. S. C. MO. No. 4

First

{ Original  
Revised }

SHEET No. 10.16

**KANSAS CITY POWER & LIGHT COMPANY**

Name of Issuing Corporation or Municipality

For **Kansas City, Missouri**

Community, Town or City

**GENERAL RULES AND REGULATIONS  
APPLYING TO STEAM SERVICE (continued)**

**7. CHOICE AND APPLICATION OF RATE SCHEDULES (continued)**

7.04 CHANGE OF RATE SCHEDULES: After a Customer has selected an applicable rate schedule under which he elects to take steam service from the Company, he will not have the right to change his selection of his applicable rate schedule available for that class of steam service until the end of the minimum initial term. However, the Company may permit the Customer to terminate his existing service agreement during such initial term and enter into a new service agreement under a different applicable rate schedule available for that class of service if the Customer's steam requirements prove to be different from those originally estimated or if there is a change in the character or condition of the Customer's steam requirements and such change is based upon permanent rather than temporary or seasonal conditions.

**8. BILLING AND PAYMENT**

8.01 BILLING: Normally, the Company will read the Customer's meter monthly and bills based on such monthly readings will be rendered at intervals of approximately one month. If bills are rendered more frequently than monthly, the total of such bills for any one month shall not exceed the amount of a monthly bill calculated under the applicable rate schedule.

8.02 PAYMENT OF BILLS: A bill for steam service supplied by the Company shall, upon rendition (by mailing or serving), become due and payable in the net amount thereof.

- (a) Any unpaid bill with the exception of (c) below, shall become delinquent on the tenth (10th) day after rendition and the Company may add a sum equal to five percent (5%) on the first \$50.00 and one percent (1%) on the remainder of the net amount of such bill, and the Customer shall then pay the gross amount of such bill.
- (b) Interest at the rate of six (6%) per annum on the net amount of such bill may be added to any unpaid bill commencing thirty (30) days after it becomes delinquent.
- (c) Any unpaid bill for service to the State of Missouri and its agencies shall be assessed late payment charges and interest pursuant to Sections 32.165 and 34.055, RSMo 1978, as amended from time to time and then in effect.

KCPL FORM 8-1-101 (REV. 2/78)

DATE OF ISSUE July 7, 1986

DATE EFFECTIVE January 1, 1987

ISSUED BY L. C. Brummett

Vice President

1310 Holliston, Kansas City, Mo.

**KANSAS CITY POWER & LIGHT COMPANY**

Name of Issuing Corporation or Municipality

For Kansas City, Missouri  
Community, Town or City

**GENERAL RULES AND REGULATIONS  
APPLYING TO STEAM SERVICE (continued)**

**8. BILLING AND PAYMENT (continued)**

8.03 DEFAULT: Failure of the Customer to pay any amount due the Company under the Customer's service agreement in the full amount due before the tenth (10th) day after rendition shall constitute a default by the Customer in his service agreement. The Customer's obligation to pay the amount due the Company under the Customer's service agreement shall be separate from other obligations and claims between the Company and the Customer. Failure by the Customer to pay obligations to and claims by the Company, other than amounts due the Company under the Customer's service agreement, shall not constitute a default justifying discontinuance of steam service under Rule 3.12 and the failure of the Company to pay obligations to or claims by the Customer, or to give the Customer credit therefor shall not justify failure by the Customer to pay the amount due the Company under the Customer's service agreement nor prevent default by the Customer.

8.04 MAILING BILLS: Normally bills will be sent by mail; however, the non-receipt of a bill by a Customer shall not release or diminish the obligation of the Customer with respect to the full payment thereof, including penalties and interest.

KCPL FORM 81-101 . REV. 2/78

DATE OF ISSUE July 7, 1986

DATE EFFECTIVE January 1, 1987

ISSUED BY L. C. [Name]

Vice President

1230 [Address], Kansas City, Mo.

GENERAL RULES AND REGULATIONS  
 APPLYING TO STEAM SERVICE (continued)

9.01 STEAM SERVICE AGREEMENT

THIS AGREEMENT is made this        day of       , 19   , by       , (the "Customer"), and **KANSAS CITY POWER & LIGHT COMPANY**, (the "Company").

In consideration of the mutual undertakings of the parties herein contained, it is agreed by the parties as follows:

SECTION 1. The Company shall supply to Customer steam service in amounts equal to the Customer's steam and heat requirements at the premises or building known as       , Kansas City, Missouri. The Company shall deliver such amounts to the point at which the Company's entrance valve connects with the Customer's installation (the "point of delivery"). The point of delivery hereunder shall be located at or near       .

SECTION 2. The Customer shall take and pay for all amounts of steam service supplied and delivered by the Company in accordance with the Company's rates, rules and regulations applicable to the service supplied hereunder which shall, upon the date of this agreement or at any time during the term hereof, be there currently on file and in effect pursuant to State regulatory commission law. Copies of the rate schedule(s) presently on file and in effect which are applicable to the service supplied hereunder are attached hereto.

SECTION 3. This agreement shall be effective as of the day and year first above written, shall become operative on       , 19   , or on the date of initial delivery of service hereunder, whichever is earlier, and shall continue in effect for a term of        ( ) year(s) after the operative date and thereafter from month to month unless and until terminated by thirty (30) days' written notice given by either party to the other.

SECTION 4. This agreement supersedes all prior agreements between the Customer and the Company for the steam service provided for herein, and all representations, promises and other inducements, written or oral, made with respect to the matters herein contained. No modification of any provision of this agreement shall be binding unless reduced to writing and signed by the parties hereto, and any such written modification of any one or more provisions hereof shall not affect any of the remaining provisions hereof not modified. This agreement shall not assignable voluntarily by the Customer.

KCPL FORM 91-101 REV. 2/78

**KANSAS CITY POWER & LIGHT COMPANY**

Name of Issuing Corporation or Municipality

For **Kansas City, Missouri**  
Community, Town or City

**GENERAL RULES AND REGULATIONS  
APPLYING TO STEAM SERVICE (continued)**

**9.01 STEAM SERVICE AGREEMENT (continued)**

SECTION 5. This agreement is made subject in all respects to the terms and provisions of Missouri laws and regulations, and all acts amendatory thereto, governing public utilities, and to the jurisdiction and authority of the Missouri Public Service Commission. Nothing herein contained shall be construed as divesting or attempting to divest said Commission of any rights, jurisdiction, power or authority vested in said Commission by law.

IN WITNESS WHEREOF, the parties hereto have caused this agreement to be executed the day and year first above written.

KANSAS CITY POWER & LIGHT COMPANY

BY \_\_\_\_\_

Approved:  
\_\_\_\_\_

Customer  
\_\_\_\_\_

By \_\_\_\_\_  
Title

Mail bill to:  
\_\_\_\_\_

KCPL FORM 61-101 (REV. 2/78)

DATE OF ISSUE July 7, 1966

DATE EFFECTIVE JANUARY 1, 1967

ISSUED BY L. C. Bussness  
Name of Officer

Vice President  
Title

1130 Baltimore, Kansas City, Mo.  
Address

FORM NO. 13

P. S. C. MO. No. 4

First

{ Original  
Revised }

SHEET No. 10.20

Cancelling P. S. C. MO. No. 4

{ Original  
Revised }

SHEET No. 10.20

**KANSAS CITY POWER & LIGHT COMPANY**

Name of Issuing Corporation or Municipality

For **Kansas City, Missouri**  
Community, Town or City

**GENERAL RULES AND REGULATIONS  
APPLYING TO STEAM SERVICE (continued)**

**9.02 STEAM SERVICE CONVERSION AGREEMENT**

This Agreement is entered into this \_\_\_ day of \_\_\_\_\_, 19\_\_\_, by and between Kansas City Power & Light Company (Company) and \_\_\_\_\_ (Customer).

WHEREAS, Company is presently furnishing Customer with central station steam service for space heating or other purposes on Customer's premises at \_\_\_\_\_, and

WHEREAS, Company is terminating such central station steam service on or before December 31, 1990, pursuant to the order and authority granted by the Missouri Public Service Commission, and

WHEREAS, Customer is desirous of substituting certain other sources of heating in place of said central station steam service and the Company is willing to provide steam service by means of an electric boiler and associated facilities or, alternatively, certain electric space heating equipment upon the terms and conditions set forth below,

It is agreed to as follows:

1. Upon the receipt of all necessary and appropriate easements, licenses and rights of way, which shall be granted to Company at no cost and in a form acceptable to it, and pursuant to mutual agreement the Company shall install, or cause to be installed, on Customer's premises at \_\_\_\_\_ either (a) an electric boiler and associated facilities (Boiler), or (b) certain electric space heating equipment (Equipment), or a combination of Boiler and Equipment, of the type and size, and in the location on Customer's premises, indicated in Exhibit A, attached hereto and made a part hereof. Such Boiler or Equipment shall be sized to meet Customer's steam service or space heating requirements, respectively, as mutually determined by Company and Customer. In the event that either Boiler or Equipment can be feasibly installed, the Customer may choose either; however, if the Customer chooses Equipment, and its cost is greater than the cost of the corresponding Boiler, the Customer shall reimburse Company for the difference in cost. Company does not make any warranty or representation as to the adequacy or appropriateness of the size and quantity of the Equipment or Boiler installed on Customers premises.

KCPL FORM 1-101 (REV. 2/78)

DATE OF ISSUE July 7, 1988

DATE EFFECTIVE January 1, 1987

ISSUED BY E. C. [Name]  
Name of officer

[Name]  
Vice President

1310 Robinson, Kansas City, Mo.  
Address

{ Original / Revised }

{ Original / Revised }

KANSAS CITY POWER & LIGHT COMPANY

For Kansas City, Missouri

Name of Issuing Corporation or Municipality

Community, Town or City

GENERAL RULES AND REGULATIONS APPLYING TO STEAM SERVICE (continued)

9.02 STEAM SERVICE CONVERSION AGREEMENT (continued)

2. This Agreement shall expire on December 31, 1995, whereupon Company shall give and convey title to the Boiler or Equipment as the case may be, evidenced by good and sufficient bills of sale, if and when all of Customer's accounts with Company are fully paid through December 31, 1995. Customer may also terminate this Agreement by giving ninety (90) days written notice to Company. Company shall thereupon determine the depreciated original cost of the Boiler or Equipment, as the case may be, as of the expiration date of the notice period. On each expiration date, or as soon thereafter as all necessary permits and approvals are obtained and the Customer's account or accounts are fully paid through such expiration date, Customer shall purchase and Company shall sell such Boiler or Equipment at its determined depreciated original cost. Upon the expiration or termination of this Agreement, all associated easements, licenses and rights of way shall be released, except to the extent necessary and useful in providing electric service to the Customer.

3. The following terms and conditions apply in the event Boiler is installed pursuant to the Agreement:

a. For as long as this Agreement is in effect, Customer agrees to take and pay for steam service furnished by means of Boiler, pursuant to the provisions of the applicable rate schedules, rules and regulations from time to time in effect and on file with the Missouri Public Service Commission. As long as this Agreement is in effect, Customer shall not be separately billed for the electric energy and power consumed by the Boiler in providing steam service to Customer, and Company shall keep and maintain the Boiler in good repair, condition and working order.

b. Boiler, is and at all times remains, the sole and personal property of Company, and Customer shall have no right, title or interest therein, except as set forth in this Agreement.

4. The following terms and conditions apply in the event Equipment is installed pursuant to the Agreement:

a. Customer agrees that for the term of this Agreement that the Equipment shall be the sole source of permanent electric space heating on said premises. Electric energy and power for the Equipment shall be supplied by Company pursuant to the applicable rate schedule, rules and regulations from time to time in effect and on file with the Missouri Public Service Commission.

KCP&L FORM 81-101 (REV. 2/78)

DATE OF ISSUE July 7, 1988

DATE EFFECTIVE January 1, 1987

ISSUED BY L. C. [Name] name of officer

VP President title

130 Baltimore, Kansas City, Mo. address

**GENERAL RULES AND REGULATIONS  
 APPLYING TO STEAM SERVICE (continued)**

**9.02 STEAM SERVICE CONVERSION AGREEMENT (continued)**

b. Customer shall use, maintain and preserve the Equipment in a careful and proper manner, and shall comply with all laws, ordinances, regulations and manufacturer instructions relating to the possession, use or maintenance of the Equipment. Customer, at its own cost and expense, shall keep and maintain the Equipment at all times in good repair, condition and working order. Company has no obligation with respect to the operation, maintenance, inspection, repair or replacement of the Equipment, or any part thereof.

c. Company shall at all times during business hours have the right to enter on said premises for the purpose of installing or inspecting the Equipment or observing its use. Customer shall give Company notice immediately of any attachment or other judicial process affecting the Equipment.

d. Customer shall inspect the Equipment promptly upon installation. Unless Customer thereupon gives written notice to Company specifying any defect in or other proper objections to the Equipment, Customer agrees that it shall be conclusively presumed, as between Company and Customer, that Customer has fully inspected and acknowledged that the Equipment is in good condition and repair, and that Customer is satisfied with and has accepted the Equipment in such good condition and repair.

e. Customer hereby assumes all risk of loss of and damage to the Equipment from any cause. No loss or damage to the Equipment will impair any obligation of Customer hereunder, which will continue in full force and effect. In the event of loss or damage to the Equipment, Customer at its option shall place the same in good repair, or purchase the same at its then depreciated original cost. COMPANY IS NOT A MANUFACTURER OF THE EQUIPMENT OR A DEALER IN SIMILAR PROPERTY AND HAS NOT MADE, AND DOES NOT MAKE, ANY REPRESENTATION, WARRANTY OR COVENANT, EXPRESS OR IMPLIED, WITH RESPECT TO THE CONDITION, QUALITY, DURABILITY, SUITABILITY OR MERCHANTABILITY OF THE EQUIPMENT. Company will, however, take any steps reasonably within its power to make available to Customer any manufacturer's or similar warranty applicable to the Equipment. Company shall not be liable to Customer for any loss, liability or damage caused or alleged to be caused directly or indirectly by the Equipment, by any inadequacy thereof or defect therein, or by any incident in connection therewith.

KCPL FORM 81-101 (REV. 2/78)

DATE OF ISSUE July 7, 1988 DATE EFFECTIVE JANUARY 1, 1987

ISSUED BY L. C. [Name] Vice President 1230 [Address] Kansas City, Mo.

{ Original }  
{ Revised }

{ Original }  
{ Revised }

**KANSAS CITY POWER & LIGHT COMPANY**

Name of Issuing Corporation or Municipality

For **Kansas City, Missouri**  
Community, Town or City

**GENERAL RULES AND REGULATIONS  
APPLYING TO STEAM SERVICE (continued)**

**9.02 STEAM SERVICE CONVERSION AGREEMENT (continued)**

f. Customer shall indemnify Company against all claims, actions, proceedings, costs, damages and liabilities, including reasonable attorneys fees, arising out of the use or operation of the Equipment. The Equipment shall at all times remain personal property, notwithstanding that it may now be, or hereafter become, in any manner attached to, or embedded in, real property or any building thereon. The Equipment is and shall at all times remain the sole property of Company, and Customer shall have no right, title or interest therein except or set forth in this Agreement.

5. This Agreement cannot be assigned by Customer without first obtaining the written consent of Company, which shall not be withheld unreasonably.

In witness whereof, we have signed this Agreement as of the date first above written.

Kansas City Power & Light Company

By \_\_\_\_\_

By \_\_\_\_\_

KCPL FORM 81-101 (REV. 2/78)

DATE OF ISSUE July 7, 1966

DATE EFFECTIVE January 1, 1967

ISSUED BY L. C. [Name]

Vice President

1130 Bellman, Kansas City, Mo.



KANSAS CITY POWER & LIGHT COMPANY

Effect of First Year Proposed Steam Revenue Increase  
Based on Normalized 12 Months Ending December 31, 1985

LINE		NUMBER OF CUSTOMERS -----	STEAM SALES M Lbs -----	REVENUE -----
	<b>Present Steam Heat Sales:</b>			
	-----			
	Revenue Classification -			
1.	Commercial Metered Steam	134	502,163	\$4,890,576
2.	Total - Present Revenue	134	502,163	\$4,890,576
	<b>Proposed First Year Steam Heat Sales:</b>			
	-----			
	Revenue Classification -			
3.	Commercial Metered Steam	134	502,163	\$5,956,428
4.	Total - Proposed First Year Revenue	134	502,163	\$5,956,428
5.	Amount of First Year Proposed Increase			\$1,065,852
6.	Percent Increase			21.794%

KANSAS CITY POWER & LIGHT COMPANY

Effect of Second Year Proposed Steam Revenue Increase  
Based on Normalized 12 Months Ending December 31, 1985

LINE		NUMBER OF CUSTOMERS	STEAM SALES M. Lbs	REVENUE
Proposed First Year Steam Heat Sales:				
-----				
	Revenue Classification -			
1.	Commercial Metered Steam	134	502,163	\$5,956,428
2.	Total - Proposed First Year Revenue	134	502,163	\$5,956,428
Proposed Second Year Steam Heat Sales:				
-----				
	Revenue Classification -			
3.	Commercial Metered Steam	134	502,163	\$7,254,572
4.	Total - Proposed Second Year Revenue	134	502,163	\$7,254,572
5.	Amount of Second Year Proposed Increase			\$1,298,144
6.	Percent Increase			21.794%

KANSAS CITY POWER & LIGHT COMPANY

Effect of Third Year Proposed Steam Revenue Increase  
Based on Normalized 12 Months Ending December 31, 1985

LINE		NUMBER OF CUSTOMERS	STEAM SALES M Lbs	REVENUE
	<u>Proposed Second Year Steam Heat Sales:</u>			
1.	Revenue Classification - Commercial Metered Steam	134	502,163	\$7,254,572
2.	Total - Proposed Second Year Revenue	134	502,163	\$7,254,572
	<u>Proposed Third Year Steam Heat Sales:</u>			
3.	Revenue Classification - Commercial Metered Steam	134	502,163	\$8,835,633
4.	Total - Proposed Third Year Revenue	134	502,163	\$8,835,633
5.	Amount of Third Year Proposed Increase			\$1,581,061
6.	Percent Increase			21.794%

KANSAS CITY POWER & LIGHT COMPANY

Effect of Fourth Year Proposed Steam Revenue Increase  
Based on Normalized 12 Months Ending December 31, 1985

LINE		NUMBER OF CUSTOMERS	STEAM SALES M Lbs	REVENUE
		-----	-----	-----
	Proposed Third Year Steam Heat Sales:			
	-----			
	Revenue Classification -			
1.	Commercial Metered Steam	134	502,163	\$8,835,633
2.	Total - Proposed Third Year Revenue	134	502,163	\$8,835,633
	Proposed Fourth Year Steam Heat Sales:			
	-----			
	Revenue Classification -			
3.	Commercial Metered Steam	134	502,163	\$10,761,271
4.	Total - Proposed Fourth Year Revenue	134	502,163	\$10,761,271
5.	Amount of Fourth Year Proposed Increase			\$1,925,638
6.	Percent Increase			21.794%

KANSAS CITY POWER & LIGHT COMPANY

Effect of Proposed Steam Revenue Increase  
Based on Normalized 12 Months Ending December 31, 1985

LINE		NUMBER OF CUSTOMERS	STEAM SALES M Lbs	REVENUE
		-----	-----	-----
	Present Steam Heat Sales:			
	-----			
	Revenue Classification -			
1.	Commercial Metered Steam	134	502,163	\$4,890,576
2.	Total - Present Revenue	134	502,163	\$4,890,576
	Proposed Steam Heat Sales:			
	-----			
	Revenue Classification -			
3.	Commercial Metered Steam	134	502,163	\$10,761,370
4.	Total - Proposed Revenue	134	502,163	\$10,761,370
5.	Amount of Proposed Increase			\$5,870,794
6.	Percent Increase			120.043%

KANSAS CITY POWER & LIGHT COMPANY

Net Operating Income or Loss Resulting  
 from Phase-In Revenues

	<u>Test Year</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>
Revenue Increase		1,065,852	1,298,144	1,581,061	1,925,638
Revenue	4,890,576	5,956,428	7,254,572	8,835,633	10,761,271
Change in Net Operating Income Related to change in Revenue		552,325	674,775	821,836	1,000,947
Operating Income or Loss	(2,123,199)	(1,570,874)	(896,099)	(74,263)	926,684