

# OFFICIAL PROCEEDINGS

OF THE

EIGHTEENTH ANNUAL  
CONVENTION

OF

# The National District Heating Association

HELD AT

WEST BADEN SPRINGS HOTEL,  
WEST BADEN, INDIANA

May 17, 18, 19, 20, 1927



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D. L. GASKILL, *Secretary.*

## SECTION 1—PLANT 7

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| Company.   | Kansas City Power and Light Company.   |
| Heating Plant.   | Station Number Two.  |
| Location.  | 1312 Baltimore, Kansas City, Missouri.   |
| Total ground area of plant.  | 14,000 Square feet.  |
| Total ground area of coal unloading and storage.                             | Burns oil.   |
| 1. Date of initial operation.  | 1. 1907.   |
| 2. Rated installed boiler capacity in H. P.                                  | 2. 8,000 H. P.   |
| 3. Yearly load factor for which plant was designed.                          | 3. Not known.  |
| 4. Grade of coal for which plant was designed.                               | 4. Burns oil.  |
| A. Percentage of ash.  | A.   |
| B. Percentage of moisture.   | B.   |
| C. B. T. U. per pound.   | C.   |
| D. Percentage of sulphur.  | D.   |
| 5. Is coal received at plant by R. R., boat or truck.                        | 5. Oil received by railroad and pumped to plant.                                     |
| 6. Make-up water for which station was designed.                             | 6. Missouri River water.   |
| A. Percentage of make-up.  | A. 100 Per cent make-up.   |
| B. Average yearly temperature.   | B. 44.9 Degrees F.   |
| C. Solids in solution and suspension in gr. per gal.                         | C. Sixteen to thirty solids grains per gallon. Nine grains per gallon in suspension. |
| D. Alkalinity expressed in parts CaCO <sub>3</sub> per million.              | D. 136.  |
| E. Acidity expressed in parts of H <sub>2</sub> SO <sub>4</sub> per million. | E. 118.  |
| 7. Number of boilers installed.  | 7. Number of boilers installed.  |
| A. Per cent installation.  | A. Sixteen (500 H. P. boilers).  |
| B. Ultimate installation.  | B. Complete now.   |
| 8. Characteristics of boiler plant.  | 8. Characteristics of boiler plant.  |
| A. How many firing aisles.   | A. One firing aisle.   |
| B. Volume of boiler house in cu. ft.   | B. 520,000 Cubic feet.   |
| C. Are larries used for distribution coal to stoker hopper.                  | C. None.   |