

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

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|--|---|-----------------|
| CITY OF MT. STERLING AND MAIN CROSS DEVELOPMENT CORPORATION |) | |
| |) | |
| COMPLAINANTS |) | |
| |) | |
| V. |) | CASE NO. 94-226 |
| |) | |
| KENTUCKY UTILITIES COMPANY |) | |
| |) | |
| DEFENDANT |) | |

O R D E R

IT IS ORDERED that Main Cross Development ("Main Cross") and city of Mt. Sterling ("Mt. Sterling") shall file the original and 12 copies of the following information with the Commission with a copy to all parties of record within 10 days of the date of this Order. Main Cross and Mt. Sterling shall furnish with each response the name of the witness who will be available to respond to questions concerning each item of information requested should a public hearing be scheduled.

1. Refer to pages 3 and 4 of the information filed on August 23, 1994. The 100A feeder is priced at \$11.07/ft. for single metering and \$15.20/ft. for multimetering. Since both prices are obtained from the same source (Means), explain the reason for the difference and provide all supporting calculations to justify the difference of \$4.13/ft.

2. On page 6, under Operational Costs, you state that: "The City of Mt. Sterling will be paying the electrical utilities regardless if it is individually metered or master metered. Therefore, the dwelling unit tenant will use the same amount of electricity regardless of how it is metered."

a. Do you agree that with a master meter the tenants are very unlikely to conserve energy? If no, please explain.

b. Do you agree that using individual meters and requiring tenants to pay for their actual consumption creates an incentive to conserve electricity to minimize the bill? If yes, explain why the city of Mt. Sterling could not send one bill to each tenant itemizing the rent and the electric bill, thereby affording the tenant an opportunity to conserve and save money.

3. On page 8, the calculation of monthly AC demand for 45 units utilizes a diversity factor of 0.6 and a demand of 1.8 KW per AC unit.

a. Explain what is meant by diversity factor.

b. Explain how the 0.6 diversity factor was derived and provide all supporting calculations.

c. Are all the AC units for the 51 dwellings identical? If no, provide the KW demand for each of the 51 AC units.

d. Explain how the 1.8 KW per AC unit was derived and provide all supporting calculations.

4. What would the power factor be with master metering?


5. How much would the average resident pay for electricity if master metering is permitted? State all assumptions supporting your answer and provide all calculations.

Done at Frankfort, Kentucky, this 2nd day of September, 1994.

PUBLIC SERVICE COMMISSION


For the Commission

ATTEST:


Executive Director