

COMMONWEALTH OF KENTUCKY  
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

THE APPLICATION OF BULLOCK PEN WATER )	
DISTRICT OF GRANT COUNTY, KENTUCKY, FOR )	CASE NO.
ORDER APPROVING CONSTRUCTION, )	96-133
FINANCING AND CERTIFICATE OF PUBLIC )	
CONVENIENCE AND NECESSITY )	

O R D E R

IT IS ORDERED that Bullock Pen Water District ("Bullock Pen") shall file an original and 10 copies (two copies of engineering-related materials) of the following information with the Commission, with a copy to all parties of record within 21 days from the date of this Order. Bullock Pen shall furnish with each response the name of the witness who will be available at the public hearing, if one is held, for responding to questions concerning each item of information requested.

1. Provide hydraulic analyses which depict the typical operational conditions for the existing and proposed distribution system.
2. Provide a labeled schematic map of the system that shows pipeline sizes, lengths, connections, pumps, water storage tanks, wells, elevations of key points, and allocations of customer demands.
3. Provide:
  - a. A time versus level chart for all existing water storage tanks which demonstrates the "empty-fill" cycle.

- b. Actual demands from meter records as well as a copy of the diurnal demand curve.
  - c. The head range, diameter, and capacity for all water storage tanks.
  - d. The manufacturer's pump performance curve for each pump.
  - e. 24-hour pressure recordings at all key high and low elevation points as well as recordings of pump suction and discharge pressures.
  - f. The head-discharge, impeller size, number of impellers, and motor horsepower for each pump.
  - g. Hydrant flow test records showing static pressure, flow rate, and residual pressure.
  - h. Pipe roughness, pipe inner diameters, and minor loss factors for various connections and devices.
  - i. Any other data not listed in (a) through (g) used to calibrate the hydraulic model.
- 4. Provide a narrative describing the operation of the existing distribution system based upon the field data and the system operator's observations and experience.
  - 5. Provide a narrative comparing the observed operation of the existing distribution system with the hydraulic analyses' results.
  - 6. Provide a narrative describing the operation of the proposed distribution system based upon the hydraulic analyses' results.
  - 7. Provide revised plans showing the locations of the proposed fire hydrants.

8. a. Why does Bullock Pen require financing in the amount of \$389,748 for the proposed construction when the "as-bid" project cost is \$342,145?


b. List and describe all costs not included in the "as-bid" project cost of \$342,145?

Done at Frankfort, Kentucky, this 25th day of June, 1996.

PUBLIC SERVICE COMMISSION

  
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For the Commission

ATTEST:

  
\_\_\_\_\_  
Executive Director