

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

NOTICE OF ADJUSTMENT OF RATES)
OF HARDIN COUNTY WATER DISTRICT NO. 1) CASE NO. 90-019

O R D E R

IT IS ORDERED that Hardin County Water District No. 1 ("Hardin District No. 1") shall file the original and 12 copies of the following information with the Commission by August 13, 1990, with a copy to all parties of record. Each copy of the data requested should be placed in a bound volume with each item tabbed. When a number of sheets are required for an item, each sheet should be appropriately indexed, for example, Item 1(a), Sheet 2 of 6. Include with each response the name of the witness who will be responsible for responding to questions relating to the information provided. Careful attention should be given to copied material to ensure that it is legible. Where information requested herein has been provided along with the original application, in the format requested herein, reference may be made to the specific location of said information in responding to this information request. When applicable, the information requested herein should be provided for total company operations and jurisdictional operations, separately.

1. The engineering field data for Pirtle Springs high service pump and Booster Pump No. 1 shows the pumps operating

above the manufacturer's pump performance curve. Provide detailed explanations for this situation.

2. Identify any known or suspected low pressure areas between the Pirtle Springs Treatment Plant and Pirtle Springs Booster Pump. How many customers in these areas experience low water pressure? Describe the actions taken by Hardin District No. 1 in the last 12 months to improve service to these affected customers. What effect will the proposed construction have on these areas?

3. What was the reason for the extreme low pressure observed and recorded on the suction side of booster pump during the field test?

4. Explain in detail how the demand pattern used for the extended period simulation (EPS) computer computations was developed. Provide a tabular reconciliation of the actual productions measured for 24 hours on August 31, 1989 and the demand pattern used in the computer analyses for every hour of the EPS.

5. Describe and explain the procedure used in determining high minor loss coefficients for pumps in running computer analyses, e.g., 1800 for Muldraugh (big pump). Why have different minor loss coefficients been used for the computer computations of the existing and proposed analyses for the same pump? What do those numbers represent?

6. Which junction in the computer analysis represent the point of where Vine Grove purchases water from Hardin District No. 1? How many gallons per minute does Vine Grove receive from Hardin District No. 1? Explain how this flowrate was determined.

7. Is pipeline 224 currently closed as the computer analysis of the existing distribution system indicates?

8. The computer analysis for the proposed system indicates that lines 214, 224 and 937 will always be closed. Explain how and where these pipes will be closed.

9. The engineering report indicates that, when existing system was observed and measured, partially closed valves existed at Logsdon Parkway; the corner of Wagon Wheel and Centennial Avenue; and the corner of Lincoln Trail and South Lorraine. Why were these situations not modeled by the computer in either the existing or proposed analyses?

10. Provide the no-flow pressure reading on each of the flowed hydrants presented in the engineering report. If not available, explain why these readings were not taken prior to the tests.

11. Is the existing distribution system operated by a telemetric control system or is it operated manually? Explain in detail.

12. List the additional telemetry equipment which Hardin District No. 1's is proposing to install in the distribution system. Explain in detail the need for this equipment.

13. Will Pirtle Springs Booster Pump No. 1 be removed as the computer analysis for the proposed distribution system indicates? Explain your answer.

14. Attachment 1, Item 5 of Hardin District No. 1's Response to the Informal Conference Requests for Information ("Informal Conference Response") includes an adjustment to adjust sewer payable to the City of Radcliff. Provide a narrative explanation of this adjustment indicating the nature of this account. Is a recurring item and any other pertinent information.

15. Refer to Attachment 1, Item 12c of the Informal Conference Response. Indicate that portion of salaries and wages attributable to overtime. Does total salary and wage expense include salaries and wages related to capital projects?

16. Reconcile total salaries and wages reflected in Attachment 1, Item 12c, of the Informal Conference Response with totals reflected in Attachment 1, Item 21 of that response.

17. Attachment 1, Item 7, of the Informal Conference Response indicates that a pro forma adjustment should be made to include additional retirement expense for employees not previously included. Provide detailed calculations and any necessary narrative explanation of the proposed adjustment.

18. Attachment 1, Item 27, of the Informal Conference Response provides a reconciliation of operating expenses shown on the annual report with those shown in the Audit Report. Reconcile these amounts with total operating expenses reflected in Exhibit 6, Schedule 13, of Hardin District No. 1's application.

19. Indicate the person who will answer questions about Attachment 2, Item 24, of the Informal Conference Response at the schedule hearing.

20. Schedule 8 of Exhibit 4 of Hardin District No. 1's application shows proposed operating revenues from residential, commercial and multi-unit water sales to be \$1,931,455. In the Informal Conference Response, Item No. 2-C shows proposed operating revenues of \$1,913,869. Explain why Hardin District No. 1 is not proposing to increase its proposed rate to cover this \$17,586 difference.

21. In response to the Commission's Order of May 25, 1990 Item 18 sets out the procedures for determining when a bill is considered uncollectible. If the amount of a final bill is greater than the required deposit, why is the deposit amount not increased or service disconnected when the amount owed equals the deposit amount?

22. In light of Anna Green's dismissal, who will be responsible for testifying on exhibits and informational responses which she prepared?


23. The rate proposed for Hardin County Water District No. 2 is based on a complete phase out by the year 2000. Why should the costs associated with the proposed construction be included as part of the rate while the rate is based on zero usage?

Done at Frankfort, Kentucky, this 1st day of August, 1990.

ATTEST:


Executive Director

PUBLIC SERVICE COMMISSION


For the Commission