

COMMONWEALTH OF KENTUCKY  
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

THE APPLICATION OF SALT RIVER ELECTRIC	)	
COOPERATIVE CORPORATION FOR A	)	
CERTIFICATE OF PUBLIC CONVENIENCE AND	)	
NECESSITY PURSUANT TO KRS 278.020(1)	)	CASE NO.
AND 807 KAR 5:001, SECTION 9 AND RELATED	)	2000-342
SECTIONS, AUTHORIZING CERTAIN PROPOSED	)	
CONSTRUCTION AND ASSOCIATED CAPITAL	)	
OUTLAY	)	

SECOND DATA REQUEST OF COMMISSION STAFF  
TO SALT RIVER ELECTRIC COOPERATIVE CORPORATION

Salt River Electric Cooperative Corporation (“Salt River”), pursuant to 807 KAR 5:001, is requested to file with the Commission the original and eight copies of the following information, with a copy to all parties of record within 21 days from the date of this request. 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 person 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 herein has been previously provided, in the format requested herein, reference may be made to the specific location of said information in responding to this information request.

1. Refer to your response to Item 4 of the Commission's Order dated September 6, 2000. You stated "Salt River's voltage recordings would not conform to the date and time of peak."

a. Does Salt River have voltage recording equipment on the system to monitor the voltage at the end of each feeder?

(1) If yes, provide the line section and the substation's name where each voltage recorder is located. Also, provide the minimum voltage readings recorded for the month used in the voltage drop study based on existing system with existing loads.

(2) If no, explain how Salt River verifies the accuracy of the results of the voltage drop studies.

b. Does Salt River have a plan to install any monitoring devices on its system to monitor the voltage?

(1) If yes, provide such a plan.

(2) If no, explain why such devices are not necessary.

2. Refer to page 59 of 91 of the voltage drop study based on existing system with existing loads filed on September 27, 2000. Feeder 4 of the Taylorsville substation shows voltage problems as high as 14.51 volts. The voltage drop study based on 2002 loads with the proposed system shows that line sections 141, 143, 660, 151, 837 and 155 are converted to 3 phase 795 ACSR. The work plan does not discuss this conversion; however, the map provided with the work plan shows a proposed new substation "Little Mount" to be located on line section 158.

- a. Explain how Salt River intends to correct the voltage problem on Feeder 4.
- b. Provide all the alternatives considered to correct the voltage problem.
- c. Provide the estimated cost of each alternative and explain how it was derived.



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Thomas M. Dorman  
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Public Service Commission  
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DATED November 9, 2000

cc: All Parties