COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

ADJUSTMENT OF RATES FOR)			
WHOLESALE ELECTRIC POWER)			
TO MEMBER COOPERATIVES OF)	CASE	NO.	8400
EAST KENTUCKY POWER	Ś			
COOPERATIVE, INC.	5			

ORDER

IT IS ORDERED that East Kentucky Power Cooperative, Inc., shall file an original and five copies of the following information with the Commission by February 4, 1982, with a copy to the Attorney General's Division of Consumer Protection. Each copy of the response should be placed in a bound volume with each item tabbed. If a number of sheets are required for an item, each sheet should be appropriately indexed; for example, Item la, Page 1 of 3. Carefull attention should be given to copied material to insure that it is legible.

Information Request No. 1

- 1. In comparative form, a total company income statement, a statement of changes in financial position, and a balance sheet for the test year and the 12-month period immediately preceding the test year.
- 2. A trial balance as of the last day of the test year (all income statement accounts should show activity for 12 months)

showing account number, account title, and amount. Show the balance in each control and all underlying subaccounts per company books.

- 3. The balance in each current asset and each current liability account and subaccount included in the applicant's chart of accounts by months for the test year. Additionally, show total current assets, total current liabilities, and net current position (current assets less current liabilities) by months and average (13 month) for the test year. Provide a reconciliation of current assets, current liabilities, and net current position provided in response to the above with the current assets and current liabilities as shown on the balance sheet for each month of the test year.
- 4. For each item of electric property held for future use at the end of the test year provide the data as shown in Format 4.
- 5. The following monthly account balances and a calculation of the average (13 month) account balances for the test year.
 - a. Plant in service (Account 101)
 - b. Plant purchased or sold (Account 102)
 - c. Property held for future use (Account 105)
 - d. Construction work in progress (Account 107)
 - e. Completed construction not classified (Account 106)
 - f. Depreciation reserve (Account 108)
 - g. Plant acquisition adjustment (Account 114)

- h. Amortization plant acquisition adjustment (Account 115)
- i. Materials and supplies (Accounts 151, 154.1, 154.3, 154.4, and applicable portion of 163)
- j. Unpaid for balance in materials and supplies applicable to each account in 5i above
- k. Balance in Accounts Payable applicable to amounts included in utility plant in service
- Balance in Accounts Payable applicable to amounts included in plant under construction
- m. Short-term borrowings
- n. Interest on short-term borrowings (expense)
- 6. Schedules in comparative form showing by months for the test year and the year preceding the test year the balance in each electric plant and reserve account or subaccount included in the applicant's chart of accounts as shown in Format 6.
- 7. Provide the journal entries relating to the purchase of utility plant acquired as an operating unit or system by purchase, merger, consolidation, liquidation, or otherwise since the end of the test period in the last rate case. Also, a schedule showing the calculation of the acquisition adjustment at the date of purchase of each item of electric plant, the amortization period, and the unamortized balance at the end of the test year.
- 8. The detailed work papers showing calculations supporting all accounting, pro forma, end-of-period, and proposed rate

adjustments in the rate application to revenue, expense, investment, and reserve accounts for the test year and a complete detailed narrative explanation of each adjustment including the reason why each adjustment is required. Explain all components used in each calculation. Index each calculation to the accounting, pro forma, end-of-period, and proposed rate adjustment which it supports.

- 9. a. A schedule showing a comparison of the balance in each operating expense account for each month of the test year to the same month of the preceding year for each account or subaccount included in the applicant's chart of accounts. See Format 6.
- b. A schedule in comparative form showing the operating expense account balances for the test year and each of the 5 years preceding the test year for each account or subaccount included in the applicant's annual report (FPC Form No. 1, Pages 417-420). Show the percentage of increase of each year over the prior year.
- c. A schedule of total company salaries and wages for the test year and each of the 5 calendar years preceding the test year as shown in Format 9 attached.
- 10. A schedule of total company net income per 1000 KWH sold per company books for the test year and the 5 years preceding the test year. This data should be provided as shown in Format 10 attached.

- 11. The comparative operating statistics as shown in Format 11 attached.
- 12. A schedule of average electric plant in service per 1000 KWH sold by account per company books for the test year and the 5 calendar years preceding the test year. This data should be provided as shown in Format 12 attached.
- 13. A statement of electric plant in service per company books for the test year. This data should be presented as shown in Format 13 attached.
 - 14. Provide the following data:
 - a. A detailed analysis of all charges booked during the test period for advertising expenditures as shown in Format 14a. The analysis should be specific as to the purpose of the expenditures and the expected benefit to be derived.
 - b. An analysis of Account 930 Miscellaneous

 General Expenses for the test period. This

 analysis should show a complete breakdown of
 this account as shown in Format 14b.
- 15. Provide an analysis of Account 426 Other Income Deductions for the test period. This analysis should show a complete breakdown of this account as shown in Format 15.
- 16. A statement describing the applicant's lobbying activities and a schedule showing the name of the individual, his salary, his organizations and/or trade associations

involved in, and all company-paid or reimbursed expenses or allowances and the account charged for all personnel for whom a principal function is that of lobbying, whether it be lobbying on the local, state, or national level.

- 17. A schedule showing the test year and the year preceding the test year with each year shown separately the following information regarding the applicant's investments in subsidiaries and joint ventures:
 - (1) Name of subsidiary or joint venture
 - (2) Date of initial investment
 - (3) Amount and type of investment made for each of the 2 years included in this report
 - (4) Balance sheet and income statement for the test year and the year preceding the test year. Where only internal statements are prepared, furnish copies of these.
 - (5) Show on a separate schedule all income of any type received by applicant from its subsidiaries or joint ventures for each of the 2-year report periods and indicate how this income is reflected in the reports filed with the Commission and the stockholder reports.
 - (6) Name of officers of each of the subsidiaries or joint ventures, officer's annual compensation, and portion of compensation charged

to the subsidiary or joint venture. Also, indicate the position each officer holds with the applicant and the compensation received from the applicant.

- 18. a. A schedule showing by month the dollar amount of fuel purchased from affiliated and non-affiliated suppliers for the test year.
- b. A calculation of the dollar amount paid for fuel purchased each month from affiliated suppliers for the test year.
- c. A calculation showing the average (13 month) number of days' supply of coal on hand for the test year and each of the 5 years preceding the test year (include a copy of all work papers). Also, include a written detailed explanation of factors considered in determining what constitutes an average day's supply of coal.
- 19. A schedule of non-utility property and property taxes and accounts where amounts are recorded as shown in Format 19.
- 20. Rates of return in Format 20 attached. Provide work papers showing calculations of all returns and ratios.
 - 21. Employee data in Format 21 attached.
- 22. A calculation of the rate or rates used to capitalize interest during construction for the test year and the 3 preceding calendar years. Provide a narrative explanation of each component entering into the calculation of this rate.

- 23. A list of generation units completed or under construction during the test year. This list should include the capacity, actual or estimated total cost, the total amount expended to date and the amount expended during the test year for each project, type of fuel to be utilized, and the inservice or estimated completion date for each unit. Provide all costs, including capital costs.
- 24. a. Monthly purchased power costs for the test year. These costs should be separated into demand and energy costs and broken down by supplier. The actual KW demands and KWH purchased should be included for each month.
- b. Provide a schedule of energy sales and interchange outside the East Kentucky system for the test year. For each month show by purchaser KWH sales and deliveries, and revenues and cost reductions. Provide details of all settlements other than cash.
- 25. Actual fuel costs for the test year. The costs should be given in total dollars, cents per KWH generated, and cents per MBTU for each type fuel. Data should also be supplied on the actual amounts of each type of fuel used, the number of BTUs obtained from each type of fuel, and the KWH generated by each type of fuel.
- 26. Provide a detailed analysis of the estimated operating costs of any generating units declared commercial during or subsequent to the test year.

- 27. A listing of present or proposed research efforts dealing with the pricing of electricity and the current status of such efforts.
- 28. a. Provide calculations of embedded cost of long-term debt at the end of each calendar year for the previous 5 years. Also provide the calculation for the end of the test period.
- b. A calculation of the average (13 months) and end-of-period long-term and short-term debt composite interest costs for the 12 months of the test year. Supporting details underlying calculations should be provided.
- c. A schedule reflecting additional debt issued and outstanding subsequent to the test year including the amount, date of issue, maturity date, rate of interest and in whose favor.
- 29. Provide a schedule showing a comparison of volume sales to each of the 18 member cooperatives served by East Kentucky for the test year and the 12-month period immediately preceding the test year.
- 30. Provide a schedule reflecting the salaries and other compensation of each officer, divising director, and department manager with an annual salary in excess of \$30,000 for the test year and the 5 preceding calendar years. Include the percentage annual increase and the effective date of each increase.

Done at Frankfort, Kentucky, this 15th day of January, 1982.

PUBLIC SERVICE COMMISSION

For the Communication

ATTEST:

Secretary

EAST KENTUCKY POWER COOPERATIVE

Case No. 8400

Schedule of Total Company Property Held for Future Use For the Test Year Ended September 30, 1981

"000 Omitted"

In-service Planned

Description of Property

Date Purchased

Cost

Date

Description of Intended Use

Current Status

Case No. 8400

Comparison of Total Company Test Year Account Balances
With Those of the Preceding Year

"000 Omitted"

Account Title and Account Number
1st Month
2nd Month
3rd Month
4th Month
5th Month
6th Month
7th Month
8th Month
9th Month
10th Month
11th Month
12th Month
Total

Test Year Prior Year Increase (Decrease)

Case No. 8400

ANALYSIS OF SALARIES AND WAGES

For the Calendar Years 1976 Through 19 80 And the 12-Month Period Ending September 30, 1981

"000 Omitted"

151		ı	
Amount (a)	5		
(b) 24			
Amount (c)	45	Cal	
(C) 74	3	endar	
Amount (e)	31.	lears Pr	
(f)	1	lor to	12 1
Amount (8)	2n:	Test Ye	fonths E
E	1	ar	nded
Amount (1)	lst		
3			
Amount (k)	Year	Tes	
E		-	

. Wages charged to expense:

No.

Item

- 2. Power production expense
- 3. Transmission expenses
- 4. Distribution expenses
- 5. Customer accounts expense
- 6. Sales expenses
- Administrative and general expenses:
- (a) Administrative and general salaries
- (b) Office supplies and expense
- (c) Administrative expense transferred-cr.
- (d) Property insurance
- (e) Injuries and damages

"000 Omitted"

Item Amount (a) 3 % Amount (c) Calendar Years Prior to Test Year 4th Amount (e) 3rd 12 Months Ended Amount (g) (E) 14 Amount (1) 181 (k) Year Test

.7 Administrative and general expenses (continued):

Line

No.

- **(f)** benefits Employee pensions and
- Franchise requirements
- 93 expenses Regulatory commission
- Duplicate charges-cr.
- **EEE** General advertising expenses
- Miscellaneous general expense
- Ξ Maintenance of general plant
- expenses L7(a) through L7(1) Total administrative and general

ထ

- 9 expense (L2 through L6 + L8) Total salaries and wages charged
- 10. Wages capitalized
- 11. Total salaries and wages
- 12. expense to total wages (L9 + L11) Ratio of salaries and wages charged
- 13. capitalized to total wages (L10 + L11) Ratio of salaries and wages

struction:

Show percent increase of each year over the prior year in Columns (b), (d), (f), (h), (j), and (l).

Case No. 8400

NET INCOME PER 1000 KWH SOLD

For the Calendar Year 1976 through 19 80

And for the 12 Months Ended September 30, 1981

(Total Company)

(000's)

				12 Mo	nthe	Ended	
		Calendar Years					
			Prior	to T	est Y	ear	Test
Line	Team	5th	4th			lst	Year
No.	Item (a)	(b)	(c)	(d)	(e)	(f)	(g)
NO.	(B)						_
1.	Operating Income						
2.	Operating revenues						
	operating revended						
3.	Operating Income Deductions						
4.	Operation and maintenance expenses:						
5.	Fuel						
6.	Other power production expenses						
7.	Transmission expenses						
8.	Distribution expenses						
9.	Customer accounts expense						
10.	Sales expense						
11	Administrative and general expense						
12.	Total (L5 through L11)						
13.	Depreciation expenses						
14.	Amortization of utility plant acquisition						
15.	adjustment Taxes other than income taxes						
16.	Income taxes - Federal						
17.	Income taxes - other						
18.	Provision for deferred income taxes						
19.	Investment tax credit adjustment - net						
20.	Total utility operating expenses						
21.	Net utility operating income						
22.	Other Income and Deductions						
23.	Other income:						
24.	Allowance for funds used during construct	tion					•
25.	Miscellaneous nonoperating income						
26.	Total other income						
27.	Other income deductions:						
28.	Miscellaneous income deductions		_				
29.	Taxes applicable to other income and deduct	ions	•				
30. 31.	Income taxes and investment tax credits						
31. 32.	Taxes other than income taxes	000					
33.	Total taxes on other income and deducti Net other income and deductions	.UUS					
JJ.	wer orner Throme and deductions						

Case No. 8400

NET INCOME PER 1000 KWH SOLD

For the Calendar Year 1976 through 19 80

And for the 12 Months Ended September 30, 1981

(Total Company)

(a'000)

Line		12 Months Ended Calendar Years Prior to Test Year Tes						
No.		5th (b)	4th (c)	3rd (d)	2nd (e)	1st (f)	Year (g)	
34. 35. 36. 37.	Interest Charges Interest on long-term debt Amortization of debt expense Other interest expense							

39. Net income

38.

40. 1000 KWH sold

Total interest charges

Case No. 8400

COMPARATIVE OPERATING STATISTICS

and the 12-Month Period Ended September 30, 1981 For the Calendar Years 19 76 Through 19 80

(Total Company)

Cost (b)	5		
Inc.	5th		
(d)	4	3	
Inc.	th	alendar	
Cost (f)	31	Years	
(g) 1nc.	ď	Prior	12 M
Cost (h)	21	to Tesi	onths 1
Inc.	ದೆ.	Year	inded
(F)	151		
Inc.	C		
Cost (1)	Test		
inc.	Year		

44.24 Oil - cost per gallon
Gas - cost per MCF Coal - cost per ton Cost Per Million BTU: Gas 110 Coal

8.

No. Line

Item (a)

Fuel Costs:

9. 11. 12. Cost Per 1000 KWH Sold:

110 Coal

14. 13. Wages and Salaries - Charged Expense: Per average employee

Depreciation Expense:
Per \$100 of average gross plant in service

٠.

Item	
Cost (a)	Sth
Inc.	
(c)	4t)
Inc.	endar
Cost (e)	Years P
(f)	12 Mo
(8) 1soo	nths Exo Test
E I	Year
Cost (1)	Ist
G)	
(k) Inc. (1)	Test Y
Inc. (1)	Year

17. Purchased Power: ō ine

Per 1000 KWH purchased

Rents:

19. 20. Per \$100 of average gross plant in service

21. 22. Property Taxes: Per \$100 of average gross (net) plant in service

25. 23. 24. Payroll Taxes: whose salary is charged to expense Per average salary of employees Per average number of employees

26. whose salary is charged to expense Per 1000 KWH sold

27. 28. 29. 30. Interest Expense:

Per \$100 of average debt outstanding Per \$100 of average plant investment Per \$100 KWH sold

Case No. 8400

AVERAGE ELECTRIC PLANT IN SERVICE BY ACCOUNT PER 1000 KWH SOLD

For the Calendar Year 1976 Through 1980 and the Test Year Ended September 30, 1981

(Total Company)

Hydraulic Production Plant Land and land rights Structures and improvements Structures and improvements Reservoirs, dams and waterways Water wheels turbines and generators Accessory electric equipment Miscellaneous power plant equipment Roads, railroads and bridges Completed construction - net classified	Steam Production Plant Land and land rights Structures and improvements Boiler plant equipment Turbogenerator units Accessory electric equipment Miscellaneous power plant equipment Completed construction - not classified Total steam production plant	Intangible Plant Organization	Account Number Title of Accounts (a)
aulic Production Plant nd and land rights ructures and improvements servoirs, dams and waterways ter wheels turbines and generators cessory electric equipment scellaneous power plant equipment ads, railroads and bridges mpleted construction - not classified Total hydraulic production plant	ts ent equipment not classified plant		
			Calendar Years 5th 4th (b) (c)
			12 Month Ended Years Prior to Test Year 3rd 2nd (d) (e)
			1st (f)
			Test Year (8)



(a)

Total production plant	
Total other production plant	
Completed construction - not classified	106
Miscellaneous power plant equipment	346
Accessory electric equipment	345
Generators	344
Prime movers	343
Fuel holders, producers and accessories	342
Structures and improvements	341
Land and land rights	340
Other Production Plant	

106	359	358	357	356	355	354	353	352	350	
Completed construction - not classified Total transmission plant	Roads and trails	Underground conductors and devices	Underground conduit	Overhead conductors and devices	Poles and fixtures	Towers and fixtures	Station equipment	Structures and improvements	Land and land rights	Transmission Plant

Installations on customers' premises leased property on customers' premises Street lighting and signal systems Completed construction - not classified Total distribution plant	Underground conductors and devices Line transformers Services Meters	Station equipment Poles, towers and fixtures Overhead conductors and devices Underground conduit	Land and land rights Structures and improvements
premises premises tems	rices	8	

360 361 362 364 365 366 366 368

371 372 373 106

Format 12: Sheet 2 of 3

(b)	-	
(c) (c)	Calendar	
3rd (d)	Years Pr	12
5)a.	for to 1	Month En
<u>2nd</u> (e)	est Year	ded
(E)	-	
Year (g)	Test	



Title of Accounts (a)

Land and land rights
390
Structures and improvements
391
Office furniture and equipment
392
Transportation equipment
393
Tools, shop and garage equipment
395
Laboratory equipment
396
Power operated equipment
397
Communication equipment
398
Other tangible property
106
Completed construction - not classified
Total general plant

1000 KWH Sold

100.1

Total electric plant in service

Sheet 3 of 3

B C		
4th (c)	Calendar	
(d)	Years Prior	12 Mont
(e)	to Test Year	h Ended
(f)		
(8)	Test	

Case No. 8400

STATEMENT OF ELECTRIC PLANT IN SERVICE

12 Months Ended September 30, 1981

(Total Company)

330 331 332 333 334 335	310 311 312 314 315 316	301	Account
Hydraulic Production Plant Land and land rights Structures and improvements Reservoirs, dams and waterways Water wheels turbines and generators Accessory electric equipment Hiscellaneous power plant equipment Roads, railroads and bridges Completed construction - not classified Total hydraulic production plant	Steam Production Plant Land and land rights Structures and improvements Boiler plant equipment Turbogenerator units Accessory electric equipment Miscellaneous power plant equipment Completed construction - not classified Total steam production plant	Intangible Plant Organization	Title of Accounts (a)
			Beginning Balance (b)
			Additions (c)
			Retirements (d)
			Transfers (e)
			Ending Balance (f)

341 341 342 343 344 346 106

Transmission Plant Land and land rights

Total production plant

Structures and improvements

Poles and fixtures Towers and fixtures Station equipment

350 352 353 354 355 356 357 358

Underground conduit Overhead conductors and devices

Roads and trails Underground conductors and devices

359

Completed construction - not classified Total transmission plant

Distribution Plant

Overhead conductors and devices Underground conduit Poles, towers and fixtures Station equipment Structures and improvements Land and land rights

Services Line transformers

366 367 368

Underground conductors and devices

365

360 361 362 364

Street lighting and signal systems Completed construction - not classified Leased property on customers' premises Installations on customers' premises

373

Total distribution plant

Beginning Balance

Additions

Transfers

Ending Balance (f)

<u>e</u>



Title of Accounts (a)

Beginning
Balance
(b)

Additions (c)

Retirements (d)

Transfers (e)

Ending Balance (f)

£ CO	399	398	397	396	395	394	393	392	391	390	389	
	Other tangible property Completed construction - not classified	Miscellaneous equipment	Communication equipment	Power operated equipment	Laboratory equipment	Tools, shop and garage equipment	Stores equipment	Transportation equipment	Office furniture and equipment	Structures and improvements	Land and land rights	General Plant

1000 KWH Sold

100.1

Total electric plant in service

Case No. 8400

- muvertising Expense

Ane

For the 12 Months Ended September 30, 1981

(Total Company Electric Operations)

Number of

a	Line No.
Newspaper	Advertising Medium
	Account Number Charged
	Sales or Promotional Advertising (b)
	Institutional or Goodwill Advertising (c)
	Conservation Advertising (d)
	Rate Case (e)
	Total (f)
	Expenditures Less Than Five Hundred (\$500) Dollars (g)

- 2 Magazines
- ω Television
- 4 Radio
- Ş Direct Mail
- 6 Gold Medallion Home Advertising
- Sales Aids
- œ Other
- 9 Total
- 10. Amount Assigned to Kentucky Retail Electric Operations

tructions:

- For each advertising medium listed, show the amount recorded in each account.
- Expenditures of less than \$500 may be grouped by type of advertising medium only if the number of items grouped is reported in Column (g).

Format 14b

EAST KENTUCKY POWER

Case No. 8400

ACCOUNT 930 - MISCELLANEOUS GENERAL EXPENSES

For the 12 Months Ended September 30, 1981

Line	Item (a)	Amount (b)
1.	Industry Association Dues	
2.	Institutional Advertising	
3.	Conservation Advertising	
4.	Rate Department Load Studies	
5.	Water, and Other Testing and Research	
6.	Directors' Fees and Expenses	
7.	Dues and Subscriptions	
8.	Miscellaneous	
9.	Total	

Instructions:

- 1. Provide detailed workpapers supporting this analysis. As a minimum the workpapers should show the date, vendor, reference (1.e., voucher number, etc.), dollar amount and brief description of each expenditure.
- 2. Detailed workpapers do not have to show the date, vendor, and reference for expenditures less than \$500 provided these expenditures are grouped by item and the number of expenditures less than \$500 is shown for each group.

Case No. 8400

ACCOUNT 426 - MISCELLANEOUS INCOME DEDUCATIONS

For the 12 Months Ended September 30, 1981

Line No.

Item (a)

Amount (b)

- 1. Donations
- 2. Civic Activities
- 3. Political Activities
- 4. Other
- 5. Total

Instructions:

- 1. Provide detailed workpapers supporting this analysis. As a minimum the workpapers should show the date, vendor, reference (i.e., voucher no., etc.), dollar amount and brief description of each expenditure.
- 2. Detailed workpapers do not have to show the date, vendor or reference for expenditures less than \$500 provided these expenditures are grouped by item and the number of expenditures less than \$500 is shown for each group.
- 3. If expenditures for the above items were recorded in accounts other than Account 426, provide, in the above format, a summary of the items charged each of those accounts. This includes expenditures of the above type billed by the parent or affiliated corporation if the applicant is a member of an affiliated group.

CASE NO. 8400

Schedule of Non-Utility Property and Related Property Taxes

For the Test Year Ended September 30, 1981

(Total Company)

					Amount of
Line		Account	Amount	Account	Property
No.	Item Description	No.	Invested	No.	Taxes
		(a)	(b)	(c)	(d)

Case No. 8400

Average Rate of Return and Coverage Ratios

12 Months Ended September 30, 1981

Line	Calendar Years
No.	Prior to Test Year
	(a)
1.	Original Cost Net Investment:
2.	5th Year
3.	4th Year
4.	3rd Year
5.	2nd Year
6.	1st Year
7.	Test Year
8.	Times Interest Earned Ratio:
9.	5th Year
10.	4th Year
11.	3rd Year
12.	2nd Year
13.	1st Year
14.	Test Yesr
15.	Debt Service Coverage:
16.	5th Year
17.	4th Year
18.	3rd Year
19.	2nd Year
20.	ist Year
21.	Test Year

Case Number 8400

SCHEDULE OF NUMBER OF EMPLOYEES, HOURS PER EMPLOYEE, AND AVERAGE NAGES

NOTE:	: Change	Test Year	* Change	lst Year	Change	2nd Year	% Change	3rd Year	I Change	4th Year	Z Change	5th Year	Calendar Years Prior to Prior to (A)
389													Production No. Hrs. Wages (B) (C) (D)
ployee's wages are of													No. Hrs. Wages (E) (F) (G)
harmed to more than (Distribution No. Hrs. Wages (H) (I) (J)
one function include													Customer Accounts No. Hrs. Vages (K) (L) (H)
employee in function													Sales No. Hrs. Vages (N) (0) (F)
on receiving larges													Administrative and General No. Hrs. Wages (Q) (A) (S)
Where an employee's wages are charged to more than one function include employee in function receiving largest portion of total wages.													Construction Total So. Hrs. Wages So. Hrs. Lees (T) (U) (V) (H) (X) (T)

(3) Employees, weekly hours per employee, and weekly wages per employee for the week including December 31 of each year and the last day of