#### COMMONWEALTH OF KENTUCKY

#### BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

THE APPLICATION AND NOTICE OF THE )
AQUA CORPORATION (KENTUCKY WATER )
SERVICE CO., INC.) FOR AN ADJUSTMENT) CASE NO. 89-340
OF RATES IN MIDDLESBORO AND CLINTON,)
KENTUCKY

## ORDER

ORDERED that Aqua Corporation ("Aqua") shall file an IT copies of the following information with the original and 12 Commission, with a copy to all parties of record, by April 4, 1990. 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, 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. 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 individual operations, separately. ΙĒ the information cannot be provided by this date, Aqua should submit a motion for an extension of time stating the reason an extension is necessary and include a date by which it will be furnished. Such motion will be considered by the Commission.

- 1. Capital structure at the end of each of the periods as shown in Format 1.
- 2. a. Provide a list of all outstanding issues of long-term debt as of the end of the latest calendar year and the end of the test period together with the related information as shown in Format 2a. Provide a separate schedule for each time period. Report in Column (k) of Format 2a, Schedule 2, the actual dollar amount of debt cost for the test year. Compute the actual and annualized composite debt cost rates and report them in Column (j) of Format 2a, Schedule 2.
- b. Provide an analysis of end-of-period, short-term debt and a calculation of the average and end-of-period cost rates as shown in Format 2b.
- 3. a. List all issues of common stock in the primary market during the most recent 10-year period as shown in Format 4a.
- b. Provide the common stock information on a quarterly and yearly basis for the most recent 5 calendar years available, and through the latest available quarter as shown in Format 4b.
- c. Provide monthly market price figures for common stock for each month during the most recent 5-year period and for the months through the date the application is filed as shown in Format 4c. List all stock splits by date and type.

- 4. Provide a computation of fixed charge coverage ratios for the 10 most recent calendar years and for the test year as shown in Format 5.
- 5. Provide a detailed analysis of customers' bills, adjusted to actual usage and in such detail that the revenues from the present and proposed rates can be readily determined.
- a. Provide a breakdown as to how the numbers in Exhibit 9 and 9-A of Aqua's application were obtained and how they relate to Exhibits 8 and 8-A.
- b. Is a minimum monthly usage allowance included with the minimum monthly meter charges? If yes, do any customers connected to a meter larger than  $5/8 \times 3/4$  inch use less than the minimum usage allowance?
- c. Provide a schedule showing the amount and percent of any proposed increase or decrease in revenue distributed to each customer class (i.e. residential, commercial, industrial, etc.). Explain in detail the methodology or basis used to allocate the requested increase or decrease in revenue to each customer classes.
- d. Provide a schedule showing the distribution of the increase or decrease in (c) above to each rate charge (i.e., customer or usage charge per 1000 gallons, etc.). Explain in detail the methodology or basis used to allocate the increase or decrease.
- e. Provide a statement showing by cross-outs and italicized inserts all proposed changes in rates, charges, terms

and conditions, and service rules and regulations for each rate or charge. A copy of current tariff may be used.

- 6. a. Provide monthly water sales and production for each month of the test period, the 12 months preceding the test period, and the most recent period subsequent to the test period, as shown in format 7a.
- b. Provide the number of customers and revenue from water sales by month for the same period as 6a, as shown in format 7b.
- 7. Provide 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.
- 8. Provide 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. Provide this information for each individual operation (Middlesboro, Clinton, and Other) and on a total company basis. Show the balance in each control and all underlying subaccounts per company books.
- 9. Provide the balance in each current asset and each current liability account and subaccount included in Aqua's chart of accounts by months for the test year. Additionally show total current assets, total current liabilities and the net current position by months, annually, and the 13-month average 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. If any amounts were allocated, provide a calculation of the factor used to allocate each amount.

- 10. List each common general office account (asset, reserve, and expense accounts) covering the 12 months of the test year applicable to more than one utility operation. If any amounts were allocated, show a calculation of the factor used to allocate each amount.
- 11. The following monthly account balances and a calculation of the average (13-month) account balances for the test year for the Middlesboro operations, Clinton operations, and total company operations:
  - 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) (Separate this balance into CWIP eligible for capitalized interest and other CWIP.)
  - e. Completed construction not classified (Account 106).
  - f. Depreciation reserve (Account 108).
  - q. Plant acquisition adjustment (Account 114).
  - h. Amortization of utility plant acquisition adjustment (Account 115).
  - i. Materials and supplies (include all accounts and subaccounts).
  - j. Balance in accounts payable applicable to each account in i above. (If actual is indeterminable, give reasonable estimate.)
  - k. Unamortized investment credit Pre-Revenue Act of 1971.

- 1. Unamortized investment credit Revenue Act of 1971.
- m. Accumulated deferred income taxes.
- n. A summary of customer deposits as shown in Format lln to this request.
- o. Computation and development of minimum cash requirements.
- p. Balance in accounts payable applicable to amounts included in utility plant in service. (If actual is indeterminable, give reasonable estimate.)
- q. Balance in accounts payable applicable to prepayments by major category or subaccount.
- r. Balance in accounts payable applicable to amounts included in plant under construction. (If actual is indeterminable, give reasonable estimate.)
- s. Pre-Administrative Case No. 313, Contributions in Aid of Construction.
- t. Administrative Case No. 313, Contributions in Aid of Construction.
- u. Pre-Administrative Case No. 313, Customer Advances (collections and refunds).
- v. Administrative Case No. 313, Customer Advances (collections and refunds).
- 12. Provide the cash account balances at the beginning of the test year and at the end of each month during the test year for each individual operation and total company.
- 13. Provide the following information for each item of water property held for future use at the end of the test year:
  - a. Description of property
  - b. Location
  - c. Date purchased
  - d. Cost
  - e. Estimated date to be placed in service

- f. Brief description of intended use
- g. Current status of each project
- 14. Provide schedules in comparative form showing by month for the test year and the year preceding the test year the total company balance in each water plant and reserve account or subaccount and each water plant and reserve account or subaccount included in Agua's chart of accounts as shown in Format 14.
- 15. Provide the journal entries relating to the purchase of water utility plant acquired as an operating unit or system by purchase, merger, consolidation, liquidation, or otherwise since Aqua's inception. Also provide a schedule showing the calculation of the acquisition adjustment at the date of purchase of each item of utility plant, the amortization period, and the unamortized balance at the end of the test year.
- 16. Provide the detailed workpapers 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 contained in Exhibits 10, 10-A, 13 and 13-A. Explain in detail all components used in each calculation including the methodology employed and all assumptions applied in the derivation of each adjustment. Index each calculation to the accounting, pro forma, end-of-period, and proposed rate adjustment which it supports.
- 17. Refer to page 4 of Exhibits 10 and 10-A of Aqua's application:
- a. Explain how estimated hours worked was determined for each adjustment.

- b. Explain why 11 months were used in applying the proforma salary adjustments.
- c. The salary adjustments in Exhibits 10 and 10-A were allocated among several accounts. Provide the basis for the allocation.
  - 18. Refer to Exhibit 13 of Aqua's application:
- a. Explain why the unamortized acquisition adjustment of \$293,271 was included in Middlesboro's original cost rate base.
- b. When does Aqua expect its proposed capital improvement of \$150,000 to be completed?
- c. If the capital improvement of \$150,000 is an estimate, provide the basis for this estimate and the actual construction cost, when available.
- d. Provide Middlesboro's test-period capital structure, including its Job Development Investment Tax Credit ("JDITC") and the basis for its requested rate of return of 10.42 percent.
- 19. In reference to Exhibit 13-A, provide Clinton's test-period capital structure including its JDITC and the basis for its requested rate of return of 7.44 percent.
- 20. At the end of the test period, Aqua had construction work in progress of \$165,036 inclusive of Middlesboro's capital improvements. Explain why Aqua has excluded Allowance for Funds Used During Construction from its revenue requirement determination for Middlesboro and Clinton.
- 21. Provide a schedule showing a comparison of the balance in the total company's and each individual operation's revenue

accounts for each month of the test year to the same month of the preceding year for each revenue account or subaccount included in Aqua's chart of accounts. Include appropriate footnotes to show the month each rate increase was granted and the month the full increase was recorded in the accounts. See Format 14.

- 22. a. Provide a schedule showing a comparison of the balance in the total company's and each individual operation's operating expense accounts for each month of the test year to the same month of the preceding year for each account or subaccount included in Aqua's chart of accounts. See Format 14.
- b. Provide a schedule in comparative form showing each individual operation's and the total company's operating expense account balance for the test year and each of the 5 years preceding the test year for each account or subaccount included in Aqua's annual report. Show the percentage of increase of each year over the prior year.
- c. Provide a schedule of each individual operation's and the total company's salaries and wages for the test year and each of the 5 calendar years preceding the test year in the format as shown in Format 18c to this request. Show for each time period provided the amount of overtime pay.
- d. Provide a schedule showing the percentage of increase in salaries and wages for both union and non-union employees for the test year and the 5 preceding years.

- 23. Provide the amount of excess deferred federal income taxes resulting from the reduction in the corporate tax rate from 46 percent to 34 percent, as of the end of the test year.
- 24. Provide the following tax data for the test year for each individual operation and the total company. (Provide supporting documentation and/or calculations.)

#### a. Income taxes:

- (1) Federal operating income taxes deferred accelerated tax depreciation.
- (2) Federal operating income taxes deferred other (explain).
- (3) Federal income taxes operating.
- (4) Income credits resulting from prior deferrals of federal income taxes.
- (5) Investment tax credit net.
  - (i) Investment credit realized.
  - (ii) Investment credit amortized Pre-Revenue Act of 1971.
  - (iii) Investment credit amortized Revenue Act of 1971.
- (6) Provide the information in 24a (1) through 24a (4) for state income taxes.
- (7) Reconciliation of book to taxable income as shown in Format 20a (7) and a calculation of the book federal and state income tax expense for the test year using book taxable income as the starting point.
- (8) A copy of federal and state income tax returns for the taxable year ended during the test year including supporting schedules.
- (9) Schedule of franchise fees paid to cities, towns, or municipalities during the test year including the basis of these fees.

- b. Provide an analysis of Kentucky other operating taxes in the format as shown in attached Format 20b.
- c. Provide federal book and tax expense for the 34 percent rate. Also provide any supporting documentation.
- 25. Provide a schedule of individual company and total company net income per 100,000 gallons sold 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 21 attached.
- 26. Provide the comparative operating statistics as shown in Format 22 attached.
- 27. Provide a schedule of individual company and total company average water plant in service per 100,000 gallons 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 23 attached.
- 28. Provide a statement of water plant in service per company books for the test year. This data should be presented as shown in Format 24 attached.
- 29. Provide the following information: If any amounts were allocated, show a calculation of the factor used to allocate each amount.
- a. A detailed analysis of all charges booked during the test period for advertising expenditures. This analysis should include a complete breakdown of Account 913 Advertising Expenses, as shown in Format 25a attached, and show any other advertising expenditures included in any other expense accounts.

The analysis should be specific as to the purpose of the expenditure and the expected benefit to be derived.

- Expenses for the test period. This analysis should show a complete breakdown of this account as shown in attached Format 25b and further provide all detailed working papers supporting this analysis. At a minimum, the workpapers should show the date, vendor, reference (i.e., voucher no., etc.), dollar amount, and brief description of each expenditure. Detailed analysis is not required for amounts of less than \$500 provided the items are grouped by classes as shown in Format 25b attached.
- c. 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 attached Format 25c and further provide all detailed working papers supporting this analysis. At a minimum the workpapers should show the date, vendor, reference (i.e., voucher no., etc.), dollar amount, and brief description of each expenditure. Detailed analysis is not required for amounts of less than \$500 provided the items are grouped by classes as shown in Format 25c attached.
- 30. Provide a detailed analysis of expenses incurred during the test year for professional services, as shown in Format 26, and all working papers supporting the analysis. At a minimum, the working papers should show the payee, a dollar amount, reference (i.e., voucher no., etc.), account charged, hourly rates and time charged to the company according to each invoice, and a description of the service provided.

- 31. Provide a detailed analysis of contributions for charitable and political purposes (in cash or services), if any, recorded in accounts other than Account 426. This analysis should indicate the amount of the expenditure, the recipient of the contribution, and the specific account charge. If amounts are allocated, show a calculation of the factor used to allocate each amount.
- 32. Describe Aqua's lobbying activities and provide a schedule showing the name of the individual, his salary, his organizations or trade associations involved in, all company-paid or reimbursed expenses or allowances, and the account charged for all personnel for whom a principal function is that of lobbying, on the local, state, or national level. If any amounts are allocated, show a calculation of the factor used to allocate each amount.
- 33. Provide the following information with regard to uncollectible accounts for the test year and 5 preceding calendar years (taxable year acceptable) for total company:
  - a. Reserve account balance at the beginning of the year.
  - b. Charges to reserve account (accounts charged off).
  - c. Credits to reserve account.
  - d. Current year provision.
  - e. Reserve account balance at the end of the year.
  - f. Percent of provision to total revenue.

- 34. Provide a detailed analysis of the retained earnings account for the test period and the 12-month period immediately preceding the test period.
- 35. a. Provide a listing of non-utility property and property taxes and accounts where amounts are recorded.
- b. Provide a schedule for all non-utility property giving a description, the date purchased, and the cost.
- 36. Provide Aqua's rates of return as shown in Format 32 attached.
- 37. Provide employee data for all Aqua employees as shown in Format 33 attached.
- 38. Provide a copy of all studies for the test year including all applicable workpapers, which are the basis of common plant allocations and expenses account allocations.
- 39. 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.
- 40. Provide all information, as soon as it is known, which would have a material effect on net operating income, rate base, and cost of capital which occurred after the test year.
- 41. Provide a detailed monthly income statement for each month after the test period including the month in which the hearing ends, as they become available.
- 42. List all present and proposed research efforts concerning the pricing of water and their current status.

- 43. Provide a schedule reflecting the salaries and other compensation of each executive officer for the test year and the preceding 2 calendar years. Include the percentage annual increase and the effective date of each increase, the job title, duty and responsibility of each officer, the number of employees who report to each executive officer and to whom each executive officer reports. Also, for employees elected to executive officer status during the test year, provide the salaries, for the test year, for those persons whom they replaced.
- 44. Provide an analysis of Aqua's expenses for research and development activities for the test year and the 5 preceding calendar years. For the test year include the following details:
- a. Basis of fees paid to research organizations. Where the contribution is monthly, provide the current rate and the effective date.
- b. Details of the research activities conducted by each organization.
- c. Details of services and other benefits provided to the company by each organization during the test year.
- d. Total expenditures of each organization during the test year including the basic nature of costs incurred by the organization.
  - e. Details of the expected benefits to the company.
- 45. Provide the average number of customers for each customer class (i.e., residential, commercial, and industrial) for the test period and for each month of the test period.

- 46. Provide the names and mailing addresses of each of Aqua's directors.
- 47. Provide all current labor contracts and the most recent contracts previously in effect.
- 48. Provide a schedule showing the test year and the year preceding the test year with each year shown separately the following information regarding Aqua'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 statements.
  - (5) Show on a separate schedule all dividends or income of any type received by Aqua 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, officers' annual compensation, and portion of compensation charged to the subsidiary or

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

- 49. Provide the following data relating to affiliated or parent company(s):
- a. Total company balance sheet, income statement, and statement of changes in financial position for the last 2 calendar years along with a statement of changes in financial position for the test period.
- b. Schedule showing balance sheet, income statement, and retained earnings adjusting entries for consolidating each company with its parent company.
- c. Schedule of company's home office and/or inter-company charges; monthly for the test year and yearly for the last 2 calendar years. State the type of goods or services provided (i.e., supplies capitalized, data service, management services, etc.). The amount by type from each billing unit and the method used in billing (i.e., direct or allocated) and basis for allocating common charges.

d. Schedule of any federal income tax reductions due to the filing of a consolidated parent tax return for either of the last 2 taxable years. Show the source and type of reduction, and the method and basis of allocating to companies and states.

Done at Frankfort, Kentucky, this 14th day of March, 1990.

PUBLIC SERVICE COMMISSION

For the Commission

ATTEST:

Executive Director

Format 1 Schedule 1 Page 1 of 5

# AQUA CORPORATION

# Case No. 89-340

# Comparative Capital Structures (Excluding JDIC)

# For the Periods as Shown

# "000 Omitted"

Line No.	Type of Capital	10th Year Amount Ratio	9th Year Amount Ratio	8th Year Amount Ratio
1.	Long Term Debt			
2.	Short Term Debt			
3.	Preferred & Preference Stock			
4.	Common Equity			
5.	Other (Itemize by type)			
6.	Total Capitalization			

# Case No. 89-340

# Comparative Capital Structures (Excluding JDIC)

# For the Periods as Shown

# "000 Omitted"

Line No.	Type of Capital	7th Year Amount Ratio	6th Year Amount Ratio	5th Year Amount Ratio
1.	Long Term Debt			
2.	Short Term Debt			
3.	Preferred & Preference Stock			
4.	Common Equity			
5.	Other (Itemize by type)			

Total Capitalization

6.

Case No. 89-340

# Comparative Capital Structures (Excluding JDIC)

### For the Periods as Shown

# "000 Omitted"

Line No.	Type of Capital	4th Year Amount Ratio	3rd Year Amount Ratio	2nd Year Amount Ratio
1.	Long Term Debt			
2.	Short Term Debt			
3.	Preferred & Preference Stock			
4.	Common Equity			
5.	Other (Itemize by type)			
6.	Total Capitalization			

Case No. 89-340

# Comparative Capital Structures (Excluding JDIC)

# For the Periods as Shown

# "000 Omitted"

Line	Type of Capital	lst Year Amount Ratio	Test Year Amount Ratio	Average Test Year Amount Ratio
1.	Long Term Debt			
2.	Short Term Debt			
3.	Preferred & Preference Stock			
4.	Common Equity			
5.	Other (Itemize by type)			
6.	Total Capitalization			

Format 1 Schedule 1 Page 5 of 5

### AQUA CORPORATION

### Case No. 89-340

# Comparative Capital Structures (Excluding JDITC)

### For the Periods as Shown

## "000 Omitted"

Line No.	Type of Capital	Latest Availa Amount	ble Quarter Ratio
1.	Long Term Debt		
2.	Short Term Debt		
3.	Preferred & Preference Stock		
4.	Common Equity		
5.	Other (Itemize by Type)		
6.	Total Capitalization		

- 1. Provide a calculation of the average test year data as shown in Format 1, Schedule 2.
- 2. If the applicant is a member of an affiliated group, the above data is to be provided for the parent company and the system consolidated.

#### Case No. 89-340

# Calculation of Average Test Period Capital Structure 12 Months Ended\_\_\_\_\_\_

#### \*000 Omitted\*

No. Item Capital Debt Debt Stock Stock Earnings Equ	<del>-</del>		Capital	Debt	Debt				Tota Comm Equi (h
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- 1. Balance beginning of test year
- 2. 1st Month
- 3. 2nd Month
- 4. 3th Month
- 5. 4th Month
- 6. 5th Month
- 7. 6th Month
- 8. 7th Month
- 9. 8th Month
- 10. 9th Month
- 11. 10th Month
- 12. 11th Month
- 13. 12th Month
- 14. Total (L1 through L13)
- 15. Average balance (L14 13)
- 16. Average capitalization ratios
- 17. End-of-period capitalization ratios

- 1. If applicable, provide an additional schedule in the above format exhuding common equity in subsidiaries from the total company capital structure. Show the amount of common equity excluded.
- 2. Include premium on class of stock.

Case No. 89-340

Schedule of Outstanding Long-Term Debt For the Calendar Year Ended December 31,\_\_\_\_\_

Annualized Date Coupon Cost Bond Rating Cost Type Date Rate to At Time Maturity of Issue At Time Type of of Interest Rate of Cost Line of Amount Rate 1 At Issue2 Obligation Col.(d)xCol.(g) Issue Maturity Outstanding No. Debt Issue (i) (t) (a) (b) (c) (d) (e) (f) (g) (h)

Total Long-Term Debt and Annualized Cost

Annualized Cost Rate [Total Col. (j) - Total Col.(d)]

Nominal Rate

Nominal Rate Plus Discount or Premium Amortization

Nominal Rate Plus Discount or Premium Amortization and Issuance Cost

Standard and Poor's, Moody, etc.

Case No. 89-340

# Schedule of Outstanding Long-Term Debt For the Test Year Ended\_\_\_\_\_

					_		<b>A</b> 4		<b></b>		Actual
		Date	Date		Coupon	Cost	Cost	Bond Rating	Type	Annualized	Test Year
Line	Type of	of	of	Amount	Interest	Rate	Rate to	At Time	of	Cost	Interest
No.	Debt Issue	Issue	Maturity	Outstanding	Rate 1	At Issue <sup>2</sup>	Maturity <sup>3</sup>	of Issue	Obligation	Col.(d)xCol.(q)	Cost5
	(a)	(p)	(c)	(b)	(e)	(f)	(g)	(h)	(i)	(5)	(k)

Total Long-Term Debt and Annualized Cost

Annualized Cost Rate [Total Col. (j) - Total Col.(d)]

Actual Long-Term Debt Cost
Rate [Total Col. k - Total
Reported in Col. (c) Line 15
of Format 1, Schedule 2]

<sup>l</sup> Nominal Rate

Nominal Rate Plus Discount or Premium Amortization

3 Nominal Rate Plus Discount or Premium Amortization and Issuance Cost

Standard and Poor's, Moody, etc.

5 Sum of Accrued Interest Amortization of Discount or Premium and Issuance Cost

CASE NO. 89-340

# Long-Term Debt and Preferred Stock Cost Rates

Annualized Cost Rate
Long-Term Debt Preferred Stock

Parent Company:

Test Year

Latest Calendar year

System Consolidated:

Test Year

Latest Calendar year

- 1. This schedule is to be completed only by applicants that are members of an affiliated group.
- 2. Detailed workpapers showing calculation of the above cost rates are to be available on request.

Case No. 89-340

## Schedule of Short-Term Debt For the Test Year Ended

		Date	Date		Nominal	Effective	Annualized
Line	Type of Debt	of	of	Amount	Interest	Interest	Interest Cost
No.	Instrument	Issue	Maturity	Outstanding	Rate	Cost Rate	$Col.(d) \times Col.(f)$
	(a)	(b)	(c)	(đ)	(e)	(f)	(g)

Total Short-Term Debt

Annualized Cost Rate [Total Col. (g) - Total Col.(d)]

Actual Interest Paid or Accured on Short Term

Debt during the Test Year [Report in Col. (g) of this schedule]

Average Short-Term Debt - Format 1, Schedule 2 Line 15 Col. (d) [Report in Col. (g) of this schedule]

Test Year Interest Cost Rate [Actual Interest - Average Short-Term Debt] [Report in Col. (f) of this schedule]

#### Instructions:

1. In all instances where the Effective Interest Cost Rate is different from the Nominal Interest Rate provide a calculation of the effective Interest Cost Rate in sufficient detail to show the items of costs that cause the difference.

Test Feriod from 1-1-81 to 12-31-81

# USAGE TABLE Usage by Rate Increment

Class: Residential	<del></del>							
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	81110	Gallons/MCF	itet 2.000	Mest 3,000	Mest 10,000	Hent 25,000	Over 40,000	Total
ist 2,000: Minimum Biil	432	518,400	318,40					510,
Mest 3,000 Gallons	1,735	4,658,000		0 1,388,000				4,854,
Mest 10,000 Callons	1,000	16,268,700			7,118,700			16,266,
Mext 25.000 Gallons	639	15,275,000			6,500,000	5,525,990		12.222
Over 40,000 Collons	153	9,975,600	306,00		1,530,000	3,825,000	3,855,600	2.272
			-L			<b> </b>		
Total			<del></del>		<u> </u>	1	3,855,600	46,895
10f#1	4,000	46,893,700	. y. z >4.eu	CE 7.26/.CRD	15.148.700	17. 130.000	13.532.000	146.627

# REVENUE TABLE

# Revenue By Rate Increment

(1)	(2) <b>Bille</b>	(3)   Gallons/HCF	(4) Rate	(5) Revenue
				والمراكب
let 2.000: Hinimon Sill	4.000	9.254.600	\$5.00 MIR.	\$24,900,00
Next 3.009 Callone		9,297,000	2.50	23.217.50
Ment 19.000 Galleau		15,146,700	2.00	30,297,40
Next 25,009 Callone		9,350,000	1,25	11,667,50
Over 40,000 Gallons		3,855,600	.75	2,891.70
				\$92,094.10 Total Revenue

Case No. 89-340

# Schedule of Common Stock Issue

For the 10 Year Period Ended

			Number	Price Per	Price Per	Book Value	Selling Exps.	Net
	DATE_OF_		of Shares	Share to	Share (Net	Per Share At	As & of Gross	Proceeds
Issue	Announcement	Registration	Issued	Public	to Company)	Date of Issue	Issue Amount	to Company

# Instructions:

1. If applicant is a member of an affiliate group, provide in a separate schedule the above data for the parent company.

#### Case No. 89-340

### Quarterly and Annual Common Stock Information For the Periods as Shown

	Average No. of Shares	Book	Earnings per	Dividend Rate	Return on Average
Period	Outstanding	Value	Share	Per Share	Common Equity
<del></del>	(000)	(\$)	(\$)	(\$)	(8)

5th Calendar Year:

1st Quarter

2nd Ouarter

3rd Quarter

4th Quarter

Annual

4th Calendar Year:

1st Quarter

2nd Quarter

3rd Quarter

4th Quarter

Annual

3rd Calendar Year:

1st Ouarter

2nd Quarter

3rd Quarter

4th Quarter

Annual

2nd Calendar Year:

1st Quarter

2nd Quarter

3rd Quarter

4th Quarter

Annual

1st Calendar Year:

1st Quarter

2nd Quarter

3rd Quarter

4th Quarter

Annual

#### Latest Available Quarter

- Report annual returns only.
- 2. If applicant is a member of an affiliate group, provide in a separate schedule the above data for the parent company.

Case No. 89-340

# Common Stock - Market Price Information

#### Month

# ITEM January February March April May June

5th Year:

Monthly High

Monthly Low Monthly Closing Price

4th Year:

Monthly High

Monthly Low

Monthly Closing Price

3rd Year:

Monthly High

Monthly Low

Monthly Closing Price

2nd Year:

Monthly High

Monthly Low

Monthly Closing Price

Months to Date of Filings:

Monthly High

Monthly Low

Monthly Closing Price

- 1. Indicate all stock splits by date and type.
- 2. If applicant is a member of an affiliate group, provide in a separate schedule the above data for the parent company.

### Case No. 89-340

#### Common Stock - Market Price Information

#### Month

#### Item

July August September October November December

5th Year:

Monthly High Monthly Low

Monthly Closing Price

4th Year:

Monthly High

Monthly Low

Monthly Closing Price

3rd Year:

Monthly High

Monthly Low

Monthly Closing Price

2nd Year:

Monthly High

Monthly Low

Monthly Closing Price

Months to Date of Filings:

Monthly High

Monthly Low

Monthly Closing Price

- Indicate all stock splits by date and type.
- 2. If applicant is a member of an affiliate group, provide in a separate schedule the above data for the parent company.

Case No. 89-340

Computation of Fixed Charge Coverage Ratios For the Periods as Shown

10th C	alendar Year	9th Cal	lendar Year	8th Cal	endar Year
	Bond or		Bond or		Bond or
Mortg.			Mortg.	Mortg.	
	Indenture		Indenture		Indenture
SEC	Require-	SEC	Require-	SEC	Require-
Method	_ment	Method	ment	<u>Method</u>	ment

No. Item

Net Income Additions Itemize

Total Additions
Deductions:
Itemize

Total Deductions

Income Available for Fixed Charge Coverage

Fixed Charges

Fixed Charge Coverage Ratio

Case No. 89-340

Computation of Fixed Charge Coverage Ratios For the Periods as Shown

7th Ca	lendar Year	6th Cal	lendar Year	5th Cal	endar Year
<del></del>	Bond or		Bond or		Bond or
Mortg.		Mortg.		Mortg.	
	Indenture		Indenture		Indenture
SEC	Require-	SEC	Require-	SEC	Reguire-
Method	ment	<u>Method</u>	<u>ment</u>	Method	ment

No. Item

Net Income Additions Itemize

Total Additions
Deductions:
Itemize

Total Deductions

Income Available for Fixed Charge Coverage

Fixed Charges

Fixed Charge Coverage Ratio

Case No. 89-340

# Computation of Fixed Charge Coverage Ratios For the Periods as Shown

4th Ca	lendar Year	3rd Cal	lendar Year	2nd Cal	endar Year
	Bond or	<del></del>	Bond or		Bond or
	Mortg.		Mortg.		Mortg.
	Indenture		Indenture		Indenture
SEC	Reguire-	SEC	Require-	SEC	Require-
Method	ment	Method	ment	Method	ment

No. Item

Net Income Additions Itemize

Total Additions
Deductions:
Itemize

Total Deductions

Income Available for Fixed Charge Coverage

Fixed Charges

Fixed Charge Coverage Ratio

Case No. 89-340

Computation of Fixed Charge Coverage Ratios For the Periods as Shown

1st Ca	lendar Year	Test	Year
	Bond or		Bond or
	Mortg.		Mortg.
	Indenture		Indenture
SEC	Require-	SEC	Require-
Method	ment	Method	ment

No. Item

Net Income Additions Itemize

Total Additions
Deductions:
Itemize

Total Deductions

Income Available for Fixed Charge Coverage

Fixed Charges

Fixed Charge Coverage Ratio

#### Format 7a

#### AQUA CORPORATION

#### Case No. 89-340

# Analysis of Water Sales and Production

Line 1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th 12th
No. Month Month

- Water Sales (thousand gals.)
- 2. Residential
- 3. Commercial
- 4. Industrial
- 5. Fire Service
- 6. Other
- 7. Total Water Sales
- System Delivery (thousand gals.)
- 9. Water Produced
- 10. Water Purchased
- ll. Total System Delivery

#### Case No. 89-340

#### Analysis of Customers and Revenue

llth Line 5th 6th 7th 8th 9th 10th 12th lst 2nd 3rd 4th Month No. Month

- 1. Number of Customers
- 2. Residential
- 3. Commercial
- 4. Industrial
- 5. Fire Service
- 6. Other
- 7. Total Number of Customers
- 8. Water Revenue
- 9. Residential
- 10. Commercial
- 11. Industrial
- 12. Fire Service
- 13. Other
- 14. Total Water Revenue

# Case No. 89-340

# SUMMARY OF CUSTOMER DEPOSITS

# Test Year

Line	Month (a)	Receipts (b)	Refunds (c)	Balance (d)
1.	Balance beginning of	test year		
2.	1st Month			
3.	2nd Month			
4.	3rd Month			
5.	4th Month			
6.	5th Month			
7.	6th Month			
8.	7th Month			
9.	8th Month			
10.	9th Month			
11.	10th Month			
12.	llth Month			
13.	12th Month			
14.	Total (Ll thro	ugh Ll3)		
15.	Average Balance (L14	- 13)		
16.	Amount of deposits r	eceived during	g test period	
17.	Amount of deposits r	efunded during	g test period	
18.	Number of deposits o	n hand end of	test year	
19.	Average amount of de	posit (L15, Co	olumn (d) - Lla	3)
20.	Interest paid during	test period		

Format 14

#### AQUA CORPORATION

Case No. 89-340

# COMPARISON OF TEST YEAR ACCOUNT BALANCES WITH THOSE OF THE PRECEDING YEAR

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

Test Year Prior Year Increase (Decrease)

#### Case No. 89-340

#### ANALYSIS OF SALARIES AND WAGES

# For the Calendar Years 19 Through 19 And the Test Year

(a'000)

				12 Mo	nths Ended		
		·	Calendar	years Prior to	Test Year		Test
Line		5th	4th	3rd	2nd	lst	Year
No.	Item	Amount 8	Amount 1	Amount 4	Amount &	Amount &	Amount 8
	(a)	(b) (c)	(d) (e)	(f) (g)	(h) (i)	(力) (k)	(1) (m)

- 1. Wages charged to expense:
- .2. Source of Supply
  - (a) operation
  - (b) maintenance
- 3. Pumping
  - (a) operation
  - (b) maintenance
- 4. Transmission and Distribution
  - (a) operation
  - (b) maintenance
- 5. Customer accounts expense
- 6. Sales expenses
- 7. Administrative and general expenses:
  - (a) Administrative and general salaries
  - (b) Office supplies and expense
  - (c) Administrative expense transferred-cr.
  - (d) Outside services employed
  - (e) Property insurance
  - (f) Injuries and damages

						12	Months Ende	d				
			Calendar years Prior to Test Year								Tes	it
Line		5th	4tl	h	3rd	•	2nd		lst		Yea	ar
No.	<u> Item</u>	Amount &	Amount	-	Amount	1	Amount	3_	Amount	3	Amount	
	(a)	(b) (c)	(đ)	(e)	(£) (	(g)	(h)	(i)	(t)	(k)	(1)	(m)

- 7. Administrative and general expenses (continued):
  - (g) Employees pensions and benefits
  - (h) Franchise requirements
  - (i) Regulatory commission expenses
  - (j) Duplicate charges-cr.
  - (k) Miscellaneous general expense
  - (1) Rents
  - (m) Maintenance of general plant
- 8. Total administrative and general expenses L7(a) through L7(m)
- 9. Total salaries and wages charged expense (L2 through L6 + L8)
- 10. Wages capitalized
- 11. Total Salaries and wages
- 12. Ratio of salaries and wages charged expense to total wages (L9: L11)
- 13. Ratio of salaries and wages capitalized to total wages (L12 L13)

Note: Show percentage increase of each year over the prior year in Columns (c), (e), (g), (i), (k), and (m).

Format 20a(7) Schedule 1

#### AQUA CORPORATION

#### Commonwealth of Kentucky

#### Case No. 89-340

#### RECONCILIATION OF BOOK NET INCOME AND FEDERAL TAXABLE INCOME 12 Months Ended

Line						
No.		Item	<u>Middlesboro</u>	<u>Clinton</u>	<u>Other</u>	Combined
			(a)	(p)	(c)	(e)
1.	Net inc	come per books				
2.	Add inc	come taxes:				
3.	A. F	ederal income tax-Current				
4.	B. F	'ederal income tax deferred- Depreciation				
5.	C. F	ederal income tax deferred- Other				
6.	D. I	investment tax credit adjustment				
7.	E. F	'ederal income taxes charged to other income and deductions				
8.	F. S	State income taxes				
9.	G. 8	State income taxes charged to other income and deductions				
10.		Total				
11.	Flow th	rough items:				
12.	Add (it	emize)				
13.	Deduct	(itemize)				
14.		nxable income				
15.		ences between book taxable income				
		axable income per tax return:				
16.		Add (itemize)				
17.		Deduct (itemize)				
18.	Taxable	e income per return				
NOTE	: (1)	Provide a calculation of the amount	shown on Lines	3 through 7	above.	
	(2)	• • • • • •				
		depreciation schedules for straight depreciation.	-line tax and ac	celerated to	ax	
	(3)	Provide a schedule setting forth th	e basis of alloc	ation of eac	ch item of	

revenue or cost allocated above.

Format 20a(7) Schedule 2

Combined (e)

AQUA CORPORATION

## Commonwealth of Kentucky

Case No. 89-340

# RECONCILIATION OF BOOK NET INCOME AND STATE TAXABLE INCOME 12 Months Ended

Line No.	<u>Item</u>	Middlesboro (a)	Clinton (b)	Other (c)
1.	Net income per books			
2.	Add income taxes:			
3.	A. Federal income tax-Current			
4.	B. Federal income tax deferred— Depreciation			
5.	C. Federal income tax deferred— Other			
6.	D. Investment tax credit adjustment			
7.	E. Federal income taxes charged			
	to other income and deductions			
8.	F. State income taxes			
9.	G. State income taxes charged to			
	other income and deductions			
10.	Total			
11.	Flow through items:			
12.	Add (itemize)			
13.	Deduct (itemize)			
14.	<del></del>			
15.				
	and taxable income per tax return:			
16.	Add (itemize)			
17.	Deduct (itemize)			
18.	Taxable income per return			
NOTE	(2) Provide work papers supporting each depreciation schedules for straight depreciation.	h calculation in	cluding the ccelerated to	

(3) Provide a schedule setting forth the basis of allocation of each item of

revenue or cost allocated above.

Case No. 89-340

# Analysis of Other Operating Taxes 12 Months Ended

"000 Omitted"

Line No.	Item	Charged Expense (a)	Charged to Construction (b)	Charged to Other Accounts (c)	Amount Accrued (d)	Amount Paid (e)

- 1. Kentucky Retail:
  - (a) State Income
  - (b) Gross Receipts\*
  - (c) Ad Valorem (Property)
  - (d) Payroll (Employer's Portion)
  - (e) Other Taxes
- 2. Total Kentucky Retail
   [Ll(a) through Ll(d)]
- 3. Other Jurisdictions

Total Per Books (L2 + L3)

#### Instructions:

\*Actual payments for test year should be shown under the amount paid column.

1. Explain items in column (c).

# Commonwealth of Kentucky

Case No. 89-340

# NET INCOME PER 100,000 CUBIC FEET OF WATER (TOTAL COMPANY)

			С	alend	ar Ye	ars	Test
Accoun	t	Pri	or to	Test	Year		Year
No.	Item	5th	4th	3rd	2nd	lst	
	(a)	(b)	(c)	(d)	(e)	(£)	(g)
400	Operating Revenue						
407	Operating Expenses						
401	Operating Expense						
402 403	Maintenance Expense Depreciation Expense						
403 404	Amortization of Limited-Term	m Meilie	e for w	nt			
405	Amortization of Other Utili			** ←			
406	Amortization of Utility Plan			n Adi	uatme	nts	
407	Amortization of Property Los			ر ۱۰۰۰ ۱۰۰	~ ~ ~ ~ · · · · ·		
408.1	Taxes Other Than Income Taxe		tv Op	erati	na In	come	
109.9	Income Taxes Utility Operat						
110.1	Provision for Deferred Incom	me Taxes	Util	itv O	perat	ina 1	Income
11.1	Income Taxes Deferred In Pr						
	Credit Utility Operating In-		-				
112.1	Credit Utility Operating In Investment Tax Credits Util	come		s Def	erred	l to I	Tuture
	Credit Utility Operating In- Investment Tax Credits Util Investment Tax Credits Util	come ity Oper	ation	s Def s Res	erred	to I	Future
	Investment Tax Credits Util	come ity Oper	ation	s Def s Res	erred	to I	Future
	Investment Tax Credits Util Investment Tax Credits Util Operating Income Total Operating Expenses	come ity Oper	ation	s Def s Res	erred	to I	Puture
412.2	Investment Tax Credits Util Investment Tax Credits Util Operating Income Total Operating Expenses Operating Income	come ity Oper ity Oper	ation ation	s Res	erred	to I	Future
412.2 413	Investment Tax Credits Util Investment Tax Credits Util Operating Income Total Operating Expenses Operating Income Income from Utility Plant L	come ity Oper ity Oper	ration ration	s Res	tored	l to	Future
112.2	Investment Tax Credits Util Investment Tax Credits Util Operating Income Total Operating Expenses Operating Income Income from Utility Plant L Gains (Losses) from Disposi	come ity Oper ity Oper eased to tion of	ration ration	s Res	tored	l to	Future
412.2	Investment Tax Credits Util Investment Tax Credits Util Operating Income Total Operating Expenses Operating Income Income from Utility Plant L	come ity Oper ity Oper eased to tion of	ration ration	s Res	tored	l to	Puture
412.1 412.2 413 414	Investment Tax Credits Util Investment Tax Credits Util Operating Income Total Operating Expenses Operating Income Income from Utility Plant L Gains (Losses) from Disposi	come ity Oper ity Oper eased to tion of	ration ration	s Res	tored	l to	Puture
412.2 413	Investment Tax Credits Util Investment Tax Credits Util Operating Income Total Operating Expenses Operating Income Income from Utility Plant L Gains (Losses) from Disposi Total Utility Operating Inc	come ity Oper ity Oper eased to tion of	ration ration	s Res	tored	l to	Puture
412.2	Investment Tax Credits Util Investment Tax Credits Util Operating Income Total Operating Expenses Operating Income Income from Utility Plant L Gains (Losses) from Disposi Total Utility Operating Income Income	come ity Oper ity Oper eased to tion of ome	ration ration Othe Utili	s Res ers ty Pr	opert	l to	Puture

Extraordinary Items

#### CASE NO. 89-340

### Comparative Operating Statistics Test Year Ending

(000's)

							12 Mc	nths Ende	đ				
				Ca	lenda:	years Pr	ior to	Test Yea	r			Te	st
Line		5	th	4t	h	31	đ	2nd	ļ	lst		Ye	ar
No.	<u> Item</u>	Amount	8_	Amount		Amount	8	Amount	- 8	Amount	- 8	Amount	- 8
	(a)	(b)	(c)	(ð)	(e)	(£)	(g)	(h)	(L)	(†)	(k)	(1)	(m)
1.	Operating Expenses as a Perc	entage of:											
2.	Gross operating revenues												
3	/include uncollectibles)												

- (include uncollectibles) 3.
- 4. Total operation and maintenance expense
- (excluding depreciation) 5.
- Gross plant in service (end-of-period) 6.
- 7. Operating Expenses Per:
- Average number of customers 8.
- 9. 1000 Gallons water sold
- Materials and Supplies 10.
- Materials and supplies as a percentage of 11.
- gross plant in service, both on an 12.
- end-of-period basis 13.
- Average materials and supplies per 14.
- 1000 gallons of water sold 15.
- 16. Wages and Salaries as a Percentage of:
- 17. Gross operating revenues
- Total operating expenses excluding 18.
- depreciation and amortization 19.

#### CASE NO. 89-340

# Comparative Operating Statistics Test Year Ending

(000's)

				12 Mc	onths Ended		
			Calendar	years Prior to	Test Year		Test
Line		5th	4th	3rd	2nd	lst	Year
No.	<u> Item</u>	Amount 1	Amount &	Amount &	Amount &	Amount 1	Amount \$
	(a)	(b) (c)	(d) (e)	(f) (g)	(h) (i)	(j) (k)	(l) (m)

- 20. Depreciation Expenses:
- 21. Per \$100 of average gross plant in service
- 22. Property Taxes:
- 23. Per \$100 of average gross plant in service
- 24. Interest Expenses:
- 25. Per \$100 of average debt outstanding
- 26. Per \$100 of average plant investment

#### Case No. 89-340

#### Average Water Plant Service by Account Per 100,000 Cu. Feet Sold

For the Calendar Year 19

Through 19

and the Test Year Ended

(Total Company)

		12 Month Ended					
Account		Cale	ndar	Years	Prior	to Test Year	Test
Number	Title of Accounts	5th	4th	3rd	2nd	lst	Year
	(a)	(b)	(c)	(đ)	(e)	(£)	(g)
	Intangible Plant						
301. Org	ganization						
302. Fra	nchises and Consents						
303. Mis	cellaneous Intangible Plant						

#### Sources of Supply Plant

- 310. Land and Land Rights
- 311. Structures and Improvements
- 312. Collecting and Impounding Reservoirs
- 313. Lake, River and Other Intakes
- 314. Wells and Springs
- 315. Infiltration Galleries and Tunnels
- 316. Supply Mains
- 317. Other Water Source Plant

#### Pumping Plant

- 320. Land and Land Rights
- 321. Structures and Improvements
- 322. Boiler Plant Equipment
- 323. Other Power Production Equipment

Format 23 Sheet 2 of 2

Accoun	
Number	····/
	(a)
324.	Steam Pumping Equipment
325.	Electric Pumping Equipment
326.	Diesel Pumping Equipment
327.	Hydraulic Pumping
328.	Other Pumping Equipment
	Water Treatment Plant
330.	Land and Land Rights
331.	Structures and Improvements
332.	Water Treatment Equipment
	Transmission and Distribution Plant
340.	Land and Land Rights
341.	Structures and Improvements
342.	Distribution Reservoirs and Standpipes
343.	Transmission and Distribution Mains
344.	Fire Mains
345.	Services
	Meters
347.	Meter Installations
348.	
349.	Other Transmission and Distribution Plant
	General Plant
389.	Land and Land Rights
390.	Structures and Improvements
391.	Office Furniture and Equipment
392.	Transportation Equipment
393.	Stores Equipment
394.	Tools, Shop and Garage Equipment
395.	Laboratory Equipment
396.	Power Operated Equipment
397.	Communication Equipment
398.	Miscellaneous Equiment
399.	Other Tangible Property

# 12 Month Ended Calendar Years Prior to Test Year Test 5th 4th 3rd 2nd 1st Year Year (b) (c) (d) (e) (f) (g)

Format 24 Sheet 1 of 2

#### AQUA CORPORATION

Case No. 89-340

#### STATEMENT OF WATER PLANT IN SERVICE

#### 12 Months Ended

#### (Total Company)

		(Total comp	arry)			
Accou Numbe	r Title of Account	Beginning Balance	Additions	Retirements	<u>Transfers</u>	Ending Balance
	(a)	(b)	(c)	(ð)	(e)	(£)
	Intangible Plant					
301.	Organization					
302.	Franchises and Consents					
303.	Miscellaneous Intangible Plant					
	Sources of Supply Plant					
310.	Land and Land Rights					
311.	Structures and Improvements					
312.	Collecting and Impounding Reservoirs					
313.	Lake, River and Other Intakes					
314.						
315.	Infiltration Galleries and Tunnels					
316.						
317.	Other Water Source Plant					
	Pumping Plant					
320.	Land and Land Rights					

321. Structures and Improvements322. Boiler Plant Equipment

323. Other Power Production Equipment

Format 24 Sheet 2 of 2

					_	
Accou	nt	Beginning				Ending
Numbe	<del>· · ·</del>	Balance	Additions	Retirements	Transfers	Balance
	(a)	(b)	(c)	(d)	(e)	(f)
	(-/	<b>\</b> - <b>\</b>	<b>\</b> -,	, ,		
324.	Steam Pumping Equipment					
325.	Electric Pumping Equipment					
326.	Diesel Pumping Equipment					
	Hydraulic Pumping					
328.	Other Pumping Equipment					
	Water Treatment Plant					
	Mater Heatment Flant					
	Land and Land Rights					
	Structures and Improvements					
332.	Water Treatment Equipment					
	Transmission and Distribution Plan	<u>t</u> .				
340.	Land and Land Rights					
341.	Structures and Improvements					
342.	Distribution Reservoirs and Standpipes					
343.	Transmission and Distribution Mains					
344.	Eire Mains					
345.	Services					
346.	Meters					
347.	Meter Installations					
348.	Hydrants					
349.	Other Transmission and Distribution Pla	nt				
	General Plant					
389.	Land and Land Rights					
390.	Structures and Improvements					
391.	Office Furniture and Equipment					
	Transportation Equipment					
393.	<b>- -</b>					
394.						
395.						
396.						
397.	Communication Equipment					
200	Miccellancous Equiment					

398. Miscellaneous Equiment399. Other Tangible Property

Case No. 89-340

#### ACCOUNT 913 - ADVERTISING EXPENSE

## For the 12 Months Ended

(Total Company)

Line No	<u>Item</u> (a)	Sales or Promotional Advertising (b)	Institutional Advertising (C)	Conservation Advertising (d)	Rate Case (e)	Other (f)	Total
1.	Newspa	aper					
2.	Magaz	ines and Other					

- 3. Television
- 4. Radio
- 5. Direct Mail
- 6. Sales Aids
- 7. Total
- 8. Amount Assigned to Ky. Retail

#### CASE NO. 89-340

#### ACCOUNT 930 - MISCELLANEOUS GENERAL EXPENSES

#### For the 12 Months Ended

(Total Company)

(a'000)

Line No.	<u>Item</u> (a)	Amount (b)
1.	Industry Association Dues	

Stockholder and Debt Servicing Expenses

- 3. Institutional Advertising
- 4. Conservation Advertising
- 5. Rate Department Load Studies
- 6. Water, and Other Testing and Research
- 7. Directors' Fees and Expenses
- 8. Dues and Subscriptions
- 9. Miscellaneous
- 10. Total

2.

11. Amount Assigned to Ky. Retail

#### Format 25c

# AQUA CORPORATION

# Case No. 89-340

## ACCOUNT 426 - MISCELLANEOUS INCOME DEDUCTIONS

# For the 12 Months Ended

(Total Company)

(000's)

Line No.	Item (a)	Amount (b)
1.	Donations	
2.	Civic Activities	
3.	Political Activities	
4.	Other	
5.	Total	

6. Amount Assigned to Ky. Retail

# CASE NO. 89-340

# Professional Service Expenses

# For the Twelve Months Ended

Line	<u>Item</u>	Rate Case	Annual Audit	<u>Other</u>	<u>Total</u>
1.	Legal				
2.	Engineering				
3.	Accounting				
4.	Other				
5.	Total				

## Case No. 89-340

# AVERAGE RATES OF RETURN

For the Calendar Years Through and the 12 Months Ended

Line No.	Calendar Years Prior to Test Year (a)	Middlesboro (b)	Clinton (c)	Other (d)	Combined (e)
1.	Original Cost Net In	vestment:			
2.	5th Year				
3.	4th Year				
4.	3rd Year				
5.	2nd Year				
6.	lst Year				
7.	Test Year				
8.	Original Cost Common	Equity:			
9.	5th Year				
10.	4th Year				
11.	3rd Year				
12.	2nd Year				
13.	1st Year				
14.	Test Year				

NOTE: Provide work papers in support of the above calculations.

#### Case No. 89-340

#### SCHEDULE OF NUMBER OF EMPLOYEES, HOURS PER EMPLOYEE, AND AVERAGE WAGES PER EMPLOYEE

Calendar Years Prior to	Sourc Supp		W	ater Treatme	ent			ssion ibution		Custo Accou and S	nts
Test Year	No. Hrs.		No.	Hrs.	Wages			Wages			Wages
(A)	(B) (C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
5th Year											
% Change											
4th Year											
% Change											
3rd Year											
% Change											
2nd Year											
% Change											

1st Year

Test Year

\$ change

Change

Format 33 Sheet 2 of 2

Calendar Years
Prior to

Test Year

(A)

Administrative
and General
No. Hrs. Wages
(N) (O) (P)

Construction
No. Hrs. Wages
(Q) (R) (S)

Total
No. Hrs. Wages
(T) (U) (V)

5th Year

% Change

4th Year

% Change

3rd Year

% Change

2nd Year

% Change

1st Year

% change

Test Year

Change

- NOTE: (1) Where an employee's wages are charged to more than one function include employee in function receiving largest portion of total wages.
  - (2) Show percent increase (decrease) of each year over the prior year on lines designated above "% Change."
  - (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 the test year.