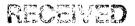


LG&E Energy LLC 220 West Main Street (40202) P.O. Box 32030 Louisville, Kentucky 40232



April 30, 2004

APR 3 0 2004

PUBLIC SERVICE COMMISSION

Mr. Thomas Dorman, Executive Director Public Service Commission 211 Sower Boulevard P. O. Box 615 Frankfort, Kentucky 40602

## RE: KENTUCKY UTILITIES COMPANY'S ANNUAL EARNINGS SHARING MECHANISM FILING FOR CALENDAR YEAR 2003 <u>CASE NO. 2004-00070</u>

Dear Mr. Dorman:

Please find enclosed and accept for filing the original and seven (7) copies of the Response of Kentucky Utilities Company ("KU") to the First Data Request of Commission Staff dated April 15, 2004, in the above-referenced matter.

Should you have any questions concerning the enclosed, please contact me at your convenience.

Sincerely,

Robert M. Conroy Manager, Rates

**Enclosures** 

cc: Parties of Record

## COMMONWEALTH OF KENTUCKY BEFORE THE PUBLIC SERVICE COMMISSION

#### In the Matter of:

| KENTUCKY UTILITIES COMPANY'S ANNUAL<br>EARNINGS SHARING MECHANISM<br>THE INC. FOR CALENDAR YEAR 2003 | )<br>)<br>) | CASE NO.<br>2004-00070 |
|--|-------------|------------------------|
| FILING FOR CALENDAR YEAR 2003  | ,           |                        |

## RESPONSE OF KENTUCKY UTILITIES COMPANY TO THE COMMISSION'S FIRST DATA REQEUST DATED: APRIL 15, 2004

**FILED: APRIL 30, 2004** 

|  |  | <b>)</b> |
|--|--|----------|
|  |  |          |
|  |  |          |
|  |  |          |
|  |  |          |
|  |  |          |
|  |  |          |
|  |  |          |
|  |  |          |

2

در

CASE NO. 2004-00070

#### Response to the Commission's First Data Request Dated: April 15, 2004

#### Question No. 3

Responding Witness: Valerie L. Scott

- Q-3. When determining the net operating income for the 2004 ESM Filing, explain how KU treated expenses associated with the February 2003 ice storm.
- A-3. Operating expenses for the February 2003 ice storm net of insurance recoveries were recorded as an expense in calculation of net operating income.

#### CASE NO. 2004-00070

#### Response to the Commission's First Data Request Dated: April 15, 2004

#### **Question No. 4**

Responding Witness: Doug Leichty

- Q-4. Refer to the 2004 ESM Filing, Form 3(b). Explain why it is necessary to adjust the determination of the cost of long-term debt for the "Environmental Compliance Rate Base" in Column 7 and the "Environmental Interest Expense" in Column 8. Include with the explanation the reason(s) supporting the environmental-related adjustments.
- A-4. The environmental-related adjustments on Form 3(b) to the determination of the cost of long-term debt in the ESM Filing for Calendar Year 2003 are consistent with the ESM Filings for Calendar Years' 2000, 2001, and 2002. The environmental-related adjustments made in the determination of the cost of long-term debt are pursuant to the Commission's Order in Case No. 98-474 issued June 1, 2000, on page 5 where it states, "The Commission has considered the arguments made by KU and agrees that the blended interest rate calculations should have recognized the assignment of the environmental surcharge adjustment to long-term debt, at an interest rate equal to the rate of return provided in the environmental surcharge mechanism." The ESM reporting requirements provide that the cost rates for debt shall be presented in a manner consistent with that adopted by the Commission in Case No. 98-474.

|  |  | • |
|--|--|---|
|  |  |   |
|  |  |   |

#### CASE NO. 2004-00070

#### Response to the Commission's First Data Request Dated: April 15, 2004

#### Question No. 5

Responding Witness: Carol A. Foxworthy / Doug Leichty

- Q-5. Refer to the 2004 ESM Filing, Form 3(f), pages 2 and 3 of 3.
  - a. On page 2 of 3, in the "1994 Plan" section, Column E, the amount shown for March 2003 for Emission Allowances does not agree with the corresponding amount included in KU's monthly environmental surcharge report. Indicate which amount for the March 2003 Emission Allowances is correct. If the amount shown on page 2 of 3 is incorrect, resubmit all schedules impacted by the correction of the Emission Allowances amount.
  - b. On page 3 of 3, reference is made to Exhibit CAF-3 from Case No. 2003-00068.<sup>2</sup> Provide copies of Exhibit CAF-3 as submitted in Case No. 2003-00068.
- A-5. a. KU's April environmental surcharge report included revisions to the January, February, and March emission allowance inventory. Please see the attached revised schedules impacted by changing the Emission Allowance inventory balance as shown:

| Month    | Inventory as Filed | Inventory as Revised |
|----------|--------------------|----------------------|
| Jan 2003 | \$66,651           | \$70,130             |
| Feb 2003 | \$62,872           | \$66,352             |
| Mar 2003 | \$60,473           | \$63,953             |

b. Please see the attached Exhibit CAF-3 from Case No. 2003-00068.

<sup>&</sup>lt;sup>2</sup> Case No. 2002-00068, An Examination by the Public Service Commission of the Environmental Surcharge Mechanism of Kentucky Utilities Company for the Six-Month Billing Periods Ending January 31, 2001, July 31, 2001, January 31, 2002, and January 31, 2003 and for the Two-Year Billing Periods Ending July 31, 2000 and July 31, 2002.

KENTUCKY L ITIES COMPANY

Comparison of Net Operating Income to Equity Limits and Determination of Earnings Sharing Mechanism Factor Current Reporting Period - Calendar Year 2003

|              |   | 2                    | 6  | 4                      |
|--------------|---|----------------------|--|------------------------|
|              |   | Return on<br>Capital | Jurisdictional<br>Capitalization<br>(From Forn 3, Col 9) | Revenue<br>Requirement |
| _            | Upper Limit of Net Operating Income based on Return on Equityof 12.5%   | 8.08%                | \$1,238,295,141  | \$100,054,247 (a)      |
| 7            | Actual Jurisdictional Net Operating Income  |                      |  | \$62,275,256 (b)       |
| <del>ر</del> | Lower Limit of Net Operating Income based on Return on Equityof 10.5%   | %86.9                | \$1,238,295,141  | \$86,433,001 (a)       |
|              |   |                      |  |                        |
| 4            | Net Operating Income is Less Than the Lover Equity Limit.<br>Earnings Deficit   |                      |  | \$24,157,745 (c)       |
| w            | Sharing of Earnings Deficit at 40% to the Customer  |                      |  | \$9,663,098 (d)        |
| 9            | Gross Up Revenue Factor   |                      |  | 0.595288 (e)           |
| 7            | Revenue Adjustment  |                      |  | \$16,232,649 (f)       |
| <b>∞</b>     | Actual Jurisdictional Revenues for the Current Reporting Period<br>(Excluding ESM Revenues)   |                      |  | \$685,735,400          |
| •            | Earnings Sharing Mechanism Pactor   |                      |  | 2.367% (g)             |
| Notes:       | <ul> <li>(a) - Column 2 times Column 3</li> <li>(b) - From Form 2</li> <li>(c) - Line 2 minus Line 3</li> <li>(d) - Line 4 times 40%</li> <li>(e) - From Form 1d</li> <li>(f) - Line 5 divided by Line 6</li> <li>(g) - Line 7 divided by Line 8</li> </ul> |                      |  |                        |

# Determination of Balancing Adjustment and Earnings Sharing Mechanism Factor Current Adjustment Year - April 2004 through March 2005 Prior Adjustment Year - April 2003 through March 2004

KENTUCKY U. ITIES COMPANY

| 1 2   | Revenue Adjustment Authorized for Prior Adjustment Year<br>Balancing Adjustment Authorized for Prior Adjustment Year  | \$11,599,389 (a)<br>\$179,586 (b) |
|-------|---|-----------------------------------|
| 6     | Total Adjustment to Revenues Authorized for Prior Adjustment Year   | \$11,778,975 (c)                  |
| 4     | Actual Earnings Sharing Mechanism Revenues<br>for Prior Adjustment Year   | \$12,015,210                      |
| v     | Balancing Adjustment for Current Adjustment Year  | (\$236,235) (d)                   |
|       |   | -                                 |
| 9     | Revenue Adjustment for Current Reporting Period<br>Estimated Revenue Adjustment for First Month of Current Adjustment Year (1/12 of Line 6)                                       | \$16,232,649 (e)<br>\$1,352,721   |
| ∞     | Estimated Revenue Adjustment for Last Eleven Months of Current Adjustment Year  | \$14,879,928 (f)                  |
| 6     | Total Revenue Adjustment Plus Balancing Adjustment for Last Eleven Months of Current Adjustment Year  | \$14,643,693 (g)                  |
| =     | Actual Burisdictional Revenue for the Current Reporting Period  | \$685.735.400 (h)                 |
| 2 = 2 | Estimated Jurisdictional Revenue for First Month of Current Adjustment Year (1/12 of Line 10)  Estimated Jurisdictional Revenue for Last Eleven Months of Current Adjustment Year | \$57,144,617                      |
| 13    | Earnings Sharing Mechanism Factor for Last Eleven Months of Current Adjustment Year   | 2.330% (i)                        |

(a) - From Form 1 filing for Prior Reporting Period Notes:

(b) - From Form 1a filing for Prior Reporting Period

(c) - Line 1 plus Line 2

(d) - Line 3 minus Line 4

(e) - From Form 1 filing for Current Reporting Period (f) - Line 6 minus Line 7

(g) - Line 5 plus Line 8

(h) - From Form 1 filing for Current Reporting Period (j) - Line 9 divided by Line 12

Form 1b

#### **INTUCKY UTILITIES COMPANY**

· Upper and Lower Point Rate of Return Weighted Average Cost of Capital 13-Month Average for 2003

| Upper Limit   |                    |                 |        |        |           |  |  |  |
|---|--------------------|-----------------|--------|--------|-----------|--|--|--|
|   | 1                  | 2               | 3      | 4      | 5         |  |  |  |
| Adjusted  Kentucky Percent Annual Weighted  Jurisdictional of Cost Cost of  Capitalization Total Rate Capital  (From Form 3, Col 9) (Col 3 x Col 4) |                    |                 |        |        |           |  |  |  |
| 1   | Short Term Debt    | \$91,366,693    | 7.38%  | 1.16%  | (a) 0.09% |  |  |  |
| 2   | A/R Securitization | \$39,730,905    | 3.21%  | 1.51%  | (a) 0.05% |  |  |  |
| 3   | Long Term Debt     | \$396,335,648   | 32.01% | 2.93%  | (b) 0.94% |  |  |  |
| 4   | Preferred Stock    | \$32,284,797    | 2.61%  | 5.68%  | (c) 0.15% |  |  |  |
| 5   | Common Equity      | \$678,577,097   | 54.79% | 12.50% | (d) 6.85% |  |  |  |
| 6   |                    | \$1,238,295,141 |        |        | 8.08%     |  |  |  |

| Lower Limit   |                    |                 |                 |        |     |       |  |  |  |
|---|--------------------|-----------------|-----------------|--------|-----|-------|--|--|--|
|   | 1                  | 2               | 2 3 4           |        |     | 5     |  |  |  |
| Adjusted Kentucky Percent Annual Weighted Jurisdictional of Cost Cost of Capitalization Total Rate Capital (From Form 3, Col 9) (Col 3 x Col 4) |                    |                 |                 |        |     |       |  |  |  |
| 1   | Short Term Debt    | \$91,366,693    | 7.38%           | 1.16%  | (a) | 0.09% |  |  |  |
| 2   | A/R Securitization | \$39,730,905    | 3.21%           | 1.51%  | (a) | 0.05% |  |  |  |
| 3   | Long Term Debt     | \$396,335,648   | 32.01%          | 2.93%  | (b) | 0.94% |  |  |  |
| 4   | Preferred Stock    | \$32,284,797    | 2.61%           | 5.68%  | (c) | 0.15% |  |  |  |
| 5   | Common Equity      | \$678,577,097   | 54.79%          | 10.50% | (e) | 5.75% |  |  |  |
| 6   |                    | \$1,238,295,141 | \$1,238,295,141 |        | -   | 6.98% |  |  |  |

- Notes: (a) From Form 3d
  - (b) From Form 3b
  - (c) From Form 3c
  - (d) Baseline Return on Equity of 11.5% plus 100 basis points
  - (e) Baseline Return on Equity of 11.5% minus 100 basis points

#### KE., TUCKY UTILITIES COMPAN.

Form 1c

### Adjusted Jurisdictional Rate of Return on Common Equity Weighted Average Cost of Capital 13-Month Average for 2003

|   | 1                      | 2  | 3                      | 4                      | 5  |
|---|------------------------|--|------------------------|------------------------|--|
|   |                        | Adjusted Kentucky Jurisdictional Capitalization (From Form 3, Col 9) | Percent<br>of<br>Total | Annual<br>Cost<br>Rate | Weighted Cost of Capital (Col 3 x Col 4) |
| 1 | Short Term Debt        | \$91,366,693   | 7.38%                  | 1.16% (                | a) 0.09%                                 |
| 2 | A/R Securitization     | \$39,730,905   | 3.21%                  | 1.51% (                | a) 0.05%                                 |
| 3 | Long Term Debt         | \$396,335,648  | 32.01%                 | 2.93% (                | b) 0.94%                                 |
| 4 | Preferred Stock        | \$32,284,797   | 2.61%                  | 5.68% (                | c) 0.15%                                 |
| 5 | Common Equity          | \$678,577,097  | 54.79%                 | 6.94% (                | d) 3.80% (e)                             |
| 6 |                        | \$1,238,295,141  |                        |                        | 5.03%                                    |
|   |                        |  |                        |                        |  |
| 7 | Net Operating Income   |  |                        |                        | \$62,275,256 (f)                         |
| 8 | Net Operating Income / | Total Capitalization   |                        |                        | 5.03% (g)                                |

Notes:

- (a) From Form 3d
- (b) From Form 3b
- (c) From Form 3c
- (d) Column 5 / Column 3
- (e) Column 5, Line 6 Line 1 Line 2 Line 3 Line 4
- (f) From Form 2
- (g) Column 5, Line 7 divided by Column 2, Line 6

# Adjusted Jurisdictional Net Operating Income Current Reporting Period - Calendar Year 2003

KENTUCKY U. ITIES COMPANY

|            |  | 2              | 3   | 4                                 | £                             | 9   |
|------------|--|----------------|---|-----------------------------------|-------------------------------|---|
|            | Title of Account Operating Income  | No.            | Total<br>Kentucky<br>Utilities<br>(From Form 4) | Kentucky Retail<br>Jurisdictional | Adjustments<br>(From Form 2a) | Adjusted Ky Retail Jurisdictional (Col 4 + Fol 5) |
|            | Total Sales to Ultimate Consumers  | 440-445        | \$739,211,587                                   | \$693,841,485                     | (\$59,421,690)                | \$634,419,795                                     |
| 3.2        | Sales for Resale<br>Sub-Total Sales of Electricity                           | 447            | \$138,003,066                                   | \$65,281,968                      | (\$612,933)                   | \$64,669,035                                      |
| 4 v        | Less Provision for Refund<br>Sub-Total Revenues Net of Provision for Refund  | 449.1          | \$8,534,280                                     | \$8,129,579<br>\$750,993,874      | (\$8,129,579)                 | (\$0)<br>\$699,088,831                            |
| •          | Plus Other Operating Revenues  | 451-456        | \$23,097,978                                    | \$18,894,823                      |                               | \$18,894,823                                      |
| 7          | Total Operating Income   |                | \$891,778,351                                   | \$769,888,697                     | (\$51,905,043)                | \$717,983,654                                     |
|            | Operating Expenses   |                |   |                                   |                               |   |
| <b>∞</b> • | Operation Expenses Maintenance Expenses                                      | 401            | \$551,889,934                                   | \$479,732,615                     | (\$3,097,106)                 | \$476,635,509                                     |
| , 2        | Depreciation Expense   | 403            | \$101,980,375                                   | \$88,925,955                      | (\$4,360,655)                 | \$84,565,300                                      |
| 1 2        | Amorization of Limited-Term Electric Plant<br>Regulatory Credits             | 404<br>407     | Included Above<br>(\$11,322,695)                | (\$9,738,956)                     | \$8,537,951                   | (\$1,201,005)                                     |
| <br>2      | Taxes Other Than Income Taxes<br>Income Taxes - Federal                      | 408.1<br>409.1 | \$15,888,440<br>\$31,082,440                    | \$14,144,401<br>  Total           | (\$232,427)                   | \$13,911,974                                      |
| 15         | Income Taxes - State Provision for Deferred Income Taxes                     | 409.1          | \$11,457,238                                    | Income Taxes<br>\$47,731,000      | (\$19,748,795)                | \$27,982,205                                      |
| 17         | Provision fro Deferred Income Taxes - Credit Accretion Expense               | 411.1          | (345,841,800)<br>\$1,221,312                    | \$1,050,483                       |                               | \$1,050,483                                       |
| 20         | Investment Tax Credit - Net<br>Losses/(Gains) from Disposition of Allowances | 411.4          | \$0<br>(\$286,166)                              | \$0<br>(\$246,139)                | \$246,139                     | (0\$)   |
| 21         | Total Operating Expense  |                | \$778,308,550                                   | \$674,363,290                     | (\$18,654,892)                | \$655,708,398                                     |
| 22         | Net Operating Income   |                | \$113,469,801                                   | \$95,525,407                      | (\$33,250,151)                | \$62,275,256                                      |

Form 2a

Adjustments to Revenues and Expenses Current Reporting Period - Calendar Year 2003

|    | 1  | 2           | 3                              | 4         | 5                           |
|----|--|-------------|--------------------------------|-----------|-----------------------------|
|    | Description  | Source      | Total<br>Kentucky<br>Utilities | Allocator | Ky Retail<br>Jurisdictional |
|    | Operating Revenues:  |             |                                |           | :                           |
| 1  | Elimination of Environmental Surcharge Revenue                               | Form 3f     | (\$22,981,691)                 | 100.000%  | (\$22,981,691)              |
| 2  | Revenue Adjustment for Off-System Sales<br>Environmental Surcharge           | Form 2b(1)  | (\$858,048)                    | 100.000%  | (\$858,048)                 |
| 3  | Elimination of Provision for Refund - ECR, FAC, and ESM                      | Form 2b(3)  | \$8,129,579                    | 100.000%  | . \$8,129,579               |
| 4  | Elimination of Actual ESM Revenue  |             | (\$8,106,085)                  | 100.000%  | (\$8,106,085)               |
| 5  | Elimination of FAC Revenues  | Form 2b(4)  | (\$28,333,913)                 | 100.000%  | (\$28,333,913)              |
| 6  | Elimination of Brokered Sales Transactions-Net                               | Form 2b(5)  | \$285,266                      | 85.925%   | \$245,115                   |
| 7  | TOTAL OPERATING REVENUES   | •           | (\$51,864,891)                 | z         | (\$51,905,043)              |
|    | Operating Expenses:  |             |                                |           |                             |
| 8  | Elimination of Environmental Surcharge Operating Expenses.                   | Form 3f     | (\$4,522,332)                  | 85.440%   | (\$3,863,865)               |
| 9  | Elimination of Environmental Surcharge<br>Depreciation Expense               | Form 3f     | (\$5,069,763)                  | 86.013%   | (\$4,360,655)               |
| 10 | Elimination of Environmental Surcharge<br>Property Taxes                     | Form 3f     | (\$265,509)                    | 87.540%   | (\$232,427)                 |
| 11 | Elimination of Proceeds from Allowance Sales                                 | Form 3f     | \$286,166                      | 86.013%   | \$246,139                   |
| 12 | Elimination of Proceeds from By-Product Sales                                | Form 3f     | \$477,401                      | 86.013%   | \$410,627                   |
| 13 | Elimination of FAC Expenses  | Form 2b(4)  | (\$21,012,583)                 | 100.000%  | (\$21,012,583)              |
| 14 | Shareholder Merger Savings   | Form 2b(6)  | \$17,869,521                   | 100.000%  | \$17,869,521                |
| 15 | VDT Net Savings to Shareholders  | Form 2b(7)  | \$3,540,000                    | 100.000%  | \$3,540,000                 |
| 16 | Eliminiation of Advertising Expense  | Form 2b(8)  | (\$43,079)                     | 94.724%   | (\$40,806)                  |
| 17 | Elimination of Cumulative Effect included in Account 407, Regulatory Credit  | Form 2b(9)  | \$9,926,350                    | 86.013%   | <b>\$8,537,95</b> 1         |
| 18 | TOTAL OPERATING EXPENSES   | •           | \$1,186,172                    | :         | \$1,093,903                 |
|    | Income Taxes:  |             |                                |           |                             |
| 19 | Federal and State Income Taxes on above adjustments @40.3625% effective rate | Calculated  | •                              |           | (\$21,391,699)              |
| 20 | Federal and State Income Taxes Interest<br>Tax Expense Adjustment            | Form 2b(10) |                                |           | \$1,642,905                 |
| 21 | TOTAL INCOME TAXES   |             |                                |           | (\$19,748,795)              |
| L  |  |             |                                |           |                             |

Form 2b(10)

#### Interest Tax Expense Adjustment Current Reporting Period - Calendar Year 2003

|    | 1   | 2<br>From Form 32 | 3         | 4             |
|----|---|-------------------|-----------|---------------|
| 1  | Adjustments to Total Co. Capitalization Short-Term Debt Component   | (\$672,813)       |           |               |
| 2  | Jurisdictional Rate Base Percentage   | 87.77%            |           |               |
| 3  | KY Juris. Adjustments to Total Co. Capitalization<br>Short-Term Debt Component (Line 1 x Line 2)                    | (\$590,528)       |           |               |
| 4  | Applicable Cost of Debt Rate  |                   | 1.16% (a) |               |
| 5  | Interest Expense herease (Decrease) (Line 3 x Line 4)   |                   | _         | (\$6,857)     |
| 6  | Adjustments to Total Co. Capitalization  A/R Securitization Component   | (\$296,024)       |           |               |
| 7  | Jurisdictional Rate Base Percentage   | 87.77%            |           |               |
| 8  | KY Juris. Adjustments to Total Co. Capitalization A/R Securitization Component (Line 6 x Line 7)                    | (\$259,820)       |           |               |
| 9  | Applicable Cost of Debt Rate  |                   | 1.51% (a) |               |
| 10 | Interest Expense herease (Decrease) (Line 8 x Line 9)   |                   | _         | (\$3,921)     |
| 11 | Adjustments to Total Co. Capitalization Long-Term Debt Component  | (\$3,464,292)     |           |               |
| 12 | Jurisdictional Rate Base Percentage   | 87.77%            |           |               |
| 13 | KY Juris. Adjustments to Total Co. Capitalization Long-Term Debt Component (Line 11 x Line 12)                      | (\$3,040,609)     |           |               |
| 14 | Adjustments to KY Juris. Adjustments Capitalization<br>Long-Term Debt Component (Environmental Surcharge 2001 Plan) | (\$37,295,093)    |           |               |
| 15 | Total Adjustments to Long-Term Debt Component (Line 13+Line 14)   | (\$40,335,702)    |           |               |
| 16 | Applicable Cost of Debt Rate  |                   | 3.10% (b) |               |
| 17 | Interest Expense herease (Decrease) (Line 15 x Line 16)   |                   |           | (\$1,248,750) |
| 18 | Adjustments to KY Juris. Adjustments Capitalization<br>Long-Term Debt Component (Environmental Surcharge 1994 Plan) | (\$65,256,823)    |           |               |
| 19 | Applicable Cost of Debt Rate  |                   | 4.31% (b) |               |
| 20 | Interest Expense hcrease (Decrease) (Line 18 x Line 19)   |                   | _         | (\$2,810,846) |
| 21 | TOTAL INTEREST EXPENSE INCREASE (DECREASE)  |                   |           | (\$4,070,374) |
| 22 | INCREASE (DECREASE) TO JURISDICTIONAL INCOME TAXES (@40.3625% effective rate)                                       |                   |           | \$1,642,905   |

Notes: (a) - From Form 3d

(b) - From Form 3b (Annual Interest/Principal Amount)

# KENTUCKY U. /TIES COMPANY

Form 3 Page 1 of 3

Adjusted Jurisdictional Capitalization 13-Month Average for 2003

|    | Ţ                                    | 2  | 6   | 4   | \$  | 9  | 7  |
|----|--------------------------------------|--|---|---|---|--|--|
|    |                                      | Total Company 13-Month Average (From Form 3, Page 3) | Adjustments to Total Co. Capitalization (From Form 3, Page 3) | Adjusted Total Company Capitalization (Col 2 + Col 3) | Capital Structure (Col 4 / Col 4, Line 6) | Jurisdictional Rate Base Percentage (From Form 3c) | KY Juris.<br>Capitalization<br>(Col 4 x Col 6) |
| -  | Short Term Debt                      | \$113,182,644  | (\$672,813)   | \$112,509,831   | 7.01%                                     | 87.77%   | \$98,749,879                                   |
| 7  | A/R Securitization                   | \$49,223,077   | (\$296,024)   | \$48,927,053  | 3.05%                                     | 87.77%   | \$42,943,275                                   |
| 33 | Long Term Debt                       | \$571,867,579  | (\$3,464,292)   | \$568,403,287   | 35.41%                                    | 87.77%   | \$498,887,565                                  |
| 4  | Preferred Stock                      | \$40,000,000   | (\$240,602)   | \$39,759,398  | 2.48%                                     | 87.77%   | \$34,896,823                                   |
| N. | Common Equity                        | \$848,366,226  | (\$12,775,431)  | \$835,590,795   | 52.05%                                    | 87.77%   | \$733,398,041                                  |
| 9  | Total Capitalization \$1,622,639,527 | \$1,622,639,527                                      | (\$17,449,162)  | \$1,605,190,364                                       | 100.00%                                   |  | \$1,408,875,583                                |
|    |                                      |  |   |   |   |  |  |

| 10 | Capital<br>Structure<br>(Col 9 / Col 9, Line 6)          | 7.38%           | 3.21%              | 32.01%          | 2.61%           | 54.79%         | 100.00%                              |
|----|--|-----------------|--------------------|-----------------|-----------------|----------------|--------------------------------------|
| 6  | Adjusted KY Jurisdictional Capitalizaton (Col 7 + Col 8) | \$91,366,693    | \$39,730,905       | \$396,335,648   | \$32,284,797    | \$678,577,097  | \$1,238,295,141                      |
| 80 | Adjustments to KY Juris. Capitalization (From Form 34)   | (\$7,383,186)   | (\$3,212,370)      | (\$102,551,917) | (\$2,612,026)   | (\$54,820,944) | (\$170,580,442)                      |
| 7  | KY Juris.<br>Capitalization                              | \$98,749,879    | \$42,943,275       | \$498,887,565   | \$34,896,823    | \$733,398,041  | \$1,408,875,583                      |
| 1  |  | Short Term Debt | A/R Securitization | Long Term Debt  | Preferred Stock | Common Equity  | Total Capitalization \$1,408,875,583 |
|    |  | _               | 2                  | e               | 4               | ĸ              | 9                                    |

Form 3a

#### Adjustments to Kentucky Jurisdictional Capitalization 13-Month Average for 2003

|   | 1                  | 2  | 3                      | 4   | 5  | 6   |
|---|--------------------|--|------------------------|---|--|---|
|   |                    | Kentucky<br>Jurisdictional<br>Capitalization<br>(From Form 3, Cal 7) | Percent<br>of<br>Total | Environmental Surcharge 1994 Plan (Direct to LTD) | Environmental<br>Surcharge<br>2001 Plan<br>(Col 3 x Col 5, Line 6) | Adjustments<br>to KY Juris.<br>Capitalization<br>(Col 4 + Cd 5) |
| 1 | Short Term Debt    | \$98,749,879   | 7.01%                  |   | (\$7,383,186)  | (\$7,383,186)   |
| 2 | A/R Securitization | \$42,943,275   | 3.05%                  |   | (\$3,212,370)  | (\$3,212,370)   |
| 3 | Long Term Debt     | \$498,887,565  | 35.41%                 | (\$65,256,823)                                    | (\$37,295,093)   | (\$102,551,917)   |
| 4 | Preferred Stock    | \$34,896,823   | 2.48%                  |   | (\$2,612,026)  | (\$2,612,026)   |
| 5 | Common Equity      | \$733,398,041  | 52.05%                 |   | (\$54,820,944)   | (\$54,820,944)  |
| 6 |                    | \$1,408,875,583  | ;                      | (\$65,256,823) (a)                                | (\$105,323,619) (b)  | (\$170,580,442)   |

Notes: (a) - From Form 3f, Col. 6

(b) - From Form 3f, Col. 7

KENTUCKY 1

Form 3b

|                  |                  |              | r         | ,             |               |                           |                           |               | 3             | :              |
|------------------|------------------|--------------|-----------|---------------|---------------|---------------------------|---------------------------|---------------|---------------|----------------|
|                  |                  |              |           |               |               | Environmental             | Environmental             | Adjusted      | Adjusted      | Adjusted       |
|                  | Frincipal        | Interest     | Amortized | Total         | Empedded      | Compliance                | Interest                  | Principal     | Total         | Embedded       |
|                  | Amount           | Expense      | Foss      | Cost          | Cost          | Rate Base (1)             | Expense (1)               | Amount        | Cost          | Cost           |
|                  |                  |              | ٠         | (Col 3+Col 4) | (Col S/Col 2) | (Form 3f, Page 2, Col. K) | (Form 3f, Page 2, Col. M) | (Col 2-Col 7) | (Col 5-Col 8) | (Col 10/Col 9) |
| Dec-02           | 5484,830,000     | \$14,770,235 | \$890,568 | \$15,660,803  | 3.23%         | \$101.791.421             | \$6.382.322               | \$383,038,579 | \$9.278.481   | 2.42%          |
| Jan-             | 03 \$484,830,000 | \$14,369,890 | \$890,568 | \$15,260,458  | 3.15%         | \$101,207,049             | \$6.345.682               | \$383,622,951 | \$8.914.776   | 2.32%          |
| Feb              | •,               | \$14,012,345 | \$890,568 | \$14,902,913  | 3.07%         | \$100,727,278             | \$6.315.600               | \$384,102,722 | \$8.587.313   | 2.24%          |
| Mar-03           | •                | \$14,070,025 | \$890,568 | \$14,960,593  | 3.09%         | \$100,129,153             | \$6.278.098               | \$384,700,847 | \$8,682.495   | 2.26%          |
| Apr⊸             | •                | \$18,593,120 | \$890,568 | \$19,483,688  | 3.33%         | \$99,570,722              | \$6,243,084               | \$485,259,278 | \$13,240,604  | 2.73%          |
| May-             | •,               | \$18,809,096 | \$890,568 | \$19,699,664  | 3.37%         | \$99,011,960              | \$6,208,050               | \$485,818,040 | \$13,491,614  | 2.78%          |
| Jun              | •,               | \$14,485,773 | \$730,188 | \$15,215,961  | 2.91%         | \$98,386,528              | \$6,168,835               | \$424,443,472 | \$9,047,126   | 2.13%          |
| -inc             | •,               | \$14,061,931 | \$730,188 | \$14,792,119  | 2.83%         | \$97,827,438              | \$6,133,780               | \$425,002,562 | \$8,658.339   | 2.04%          |
| -ga-             | •                | \$17,960,587 | \$730,188 | \$18,690,775  | 3.13%         | \$97,271,631              | \$6,098,931               | \$500,558,369 | \$12.591.844  | 2.52%          |
| Sept             | •,               | \$17,914,584 | \$730,260 | \$18,644,844  | 3.12%         | (\$10,856,652)            | (\$4,895,457)             | \$608,686,652 | \$23,540,301  | 3.87%          |
| -100             | •,               | \$18,157,152 | \$730,260 | \$18,887,412  | 3.16%         | (\$11,562,520)            | (\$4,904,210)             | \$609,392,520 | \$23.791.622  | 3.90%          |
| Nov              | 03 \$597,830,000 | \$16,879,304 | \$730,260 | \$17,609,564  | 2.95%         | (\$12,232,577)            | (\$4,912,518)             | \$610,062,577 | \$22,522,082  | 3.69%          |
| Pec−             | 03 \$672,830,000 | \$18,867,668 | \$809,484 | \$19,677,152  | 2.92%         | (\$12,932,730)            | (\$4,921,200)             | \$685,762,730 | \$24,598,352  | 3.59%          |
| 13-Month Average | ge \$555,291,538 | \$16,380,901 | \$810,326 | \$17,191,227  | 3.10%         | \$65,256,823              | \$2,810,846               | \$490,034,715 | \$14,380,381  | 2.93%          |

Environmental Surcharge Components - Rate Base and Operating Statement Current Reporting Period - Calendar Year 2003

ITIESCOMPANY

KENTUCKY L

|   | 1  | 2  | 60   | 4   | S.  | 9  | 7  |
|---|--|--|--|---|---|--|--|
|   | Title of Account Rate Base Items:  | Total<br>Company<br>13-Month<br>Average<br>(1994 Plan)   | Total<br>Company<br>13-Month<br>Average<br>(2001 Plan) | Allocation<br>Title   | Allocation<br>Factor                                | Kentucky<br>Jurisdictional<br>13-Month<br>Average<br>(1994 Plan)   | Kentucky<br>Jurisdictional<br>13-Month<br>Average<br>(2001 Plan) |
|   | Pollution Control Utility Plant  | \$123,206,878  | \$6,767,682  | DEMPROD   | 86.013%   | \$105,973,932  | \$5,821,087  |
|   | Add: Pollution Control CWIP excluding AFUDC Spare Parts (13-Month Average) Limestone (13-Month Average) Emission Allowances Subtotal | \$68,114<br>\$940,970<br>\$47,649<br>\$28,881<br>\$1,085,614   | \$115,938,764<br>\$0<br>\$0<br>\$0<br>\$0<br>\$1       | PRODSYS<br>PRODPLT<br>PRODPLT<br>DEMPROD                            | 86.013%<br>84.922%<br>84.922%<br>86.013%            | \$58,587<br>\$799,091<br>\$40,465<br>\$24,841<br>\$922,984   | \$99,722,409<br>\$0<br>\$0<br>\$0<br>\$0<br>\$0                  |
| 7<br>8<br>9<br>9<br>10                  | Deduct: Accum. Depreciation on Pollution Control Utility Plant Accum. Defer. Taxes Investment Tax Credit Subtotal                    | \$48,411,394<br>\$11,532,507<br>(\$123,631)<br>\$59,820,270  | \$255,632<br>\$281,701<br>\$0<br>\$0<br>\$50           | STMSYS<br>PRODSYS<br>PRODPLT  | 86.013%<br>86.013%<br>84.922%                       | \$41,640,093<br>\$9,919,455<br>(\$104,990)<br>\$51,454,557   | \$219,877<br>\$242,300<br>\$0<br>\$462,177                       |
| =                                       | I NET ORIGINAL COST RATE BASE  | \$64,472,223   | \$122,169,113  |   |   | \$55,442,359   | \$105,081,319  |
|   |  | 1994 and 2001<br>Plan  |  |   |   | 1994 and 2001<br>Plan  |  |
| 2 2 4                                   | Surcharge Kevenues Proceeds from Allowance and By-Product Sales Total Revenues   | \$22,981,691<br>\$763,567<br>\$23,745,258  |  | KY RETAIL<br>DEMPROD  | 100.000%<br>86.013%                                 | \$22,981,691<br>\$656,767<br>\$23,638,458  |  |
| 2 |  | \$1,349,528<br>\$617,414<br>\$2,475,204<br>\$5,069,763<br>\$265,509<br>\$49,784<br>\$30,403<br>\$9,857,604 |  | STMPLT<br>STMPLT<br>ENERGY<br>STMSYS<br>NETPLANT<br>PLANT<br>STMPLT | 84.683%<br>84.683%<br>86.022%<br>87.540%<br>86.843% | \$1,142,820<br>\$522,844<br>\$2,129,220<br>\$4,360,655<br>\$232,427<br>\$43.234<br>\$25,746<br>\$25,746<br>\$8,456,946 |  |
| Notes:                                  | ss: Environmental Surcharge Rolled-In to Base Rates Pursuant   |  | to Commission's Order in Case No 2003-00068.           | .89   |   |  |  |

Environmental Surcharge Components - Rate Base and Operating Statement Current Reporting Period - Calendar Year 2003

|  |                   |                             |                            |                             | an reporting                          | Contract technical tentor - Calcinos, 1 car 2003 | COUL 400           |                 |                          |                   |   |                    |                |
|--|-------------------|-----------------------------|----------------------------|-----------------------------|---------------------------------------|--|--------------------|-----------------|--------------------------|-------------------|---|--------------------|----------------|
| 1994 PLAN  | ₹                 | æ                           | Q                          | ê                           | (E)                                   | Ð  | Ō                  | E               | €                        | 5                 | 8   | Ę                  | (W             |
|  |                   |                             |                            |                             |                                       |  |                    |                 |                          | Rate Base         | Environmental Surcharge                   |                    | Environmental  |
| SOURCE: FILED ES FORK 2.00 PER EXPENSE MONTH POllution Control | Pollution Control | Pollution Control           |                            |                             | Emission                              | Working  |                    | Accum.          | investment               | ž                 | Capitalization                            | Authorized         | Interest       |
| SHOWIN AVERAGE KAIE SASE                                       | Udility Flant     | CWIP                        | Spare Parts                | Limestone Allowances        | Howances                              | Capita   | Depreciation       | Defer Taxes     | Tax Credit               | ECR Filing        | Adjustment to LTD (1)                     | Rate of Return (2) | Expense (3)    |
|  |                   |                             |                            |                             |                                       |  |                    |                 | ₹                        | +B+C+D+E+F-G-H-I) | (A+B+C+D+E+F-G-H-I) (A+B+C+D+E-G)*85,999% |                    | (K * L)        |
| Dec-02   | <u>~</u>          | \$ 792,731                  | \$ 1,296,219               | \$ 118,121                  | 74,853 \$                             | 557,066  | \$ 569'996'09      | 17,869,042      | ,                        | 101,051,813       | \$ 101,791,423                            | 6.27%              | \$ 6,382,322   |
| Jan-03   | \$ 177,048,560    | 5 793,029                   | \$ 1,332,238               | \$ 92,316                   | \$ 061,07                             | 556,715  | \$ 166,159,19      | 17,812,728      | ,                        | 100,428,263       | \$ 101,207,049                            | 6.27%              | \$ 6,345,682   |
| Feb-03   |                   | 910,945                     | \$ 1,331,594               | \$ 96,598                   | 66,352 \$                             | 582,662  | 62,327,653 \$      | 17,756,414      |                          | 99,952,644        | \$ 100,727,278                            | 6.27%              | \$ 6,315,600   |
| Mar-03   | <u>~</u>          | \$ 910,945                  | \$ 1,298,390               | \$ 112,353                  | \$ 63,953 \$                          | 591,453  | 63,003,309         | 17,695,700      | •                        | 99,326,645        | \$ 100,129,153                            | 6.27%              | \$ 6,278,098   |
| Apr-03   | <u>.</u>          | 910,945                     | \$ 1,317,182               | \$ 133,056                  | 60,412 \$                             | 599,002  | 63,688,611         | 17,639,386      |                          | 98,741,160        | \$ 99,570,722                             | 6.27%              | \$ 6,243,084   |
| May-03   | ~                 | \$ 910,945                  | \$ 1,366,348               | \$ 103,846                  | 56,734 \$                             | \$ 592,497                                       | 64,354,621 \$      | 17,583,072      | •                        | 98,141,237        | \$ 99,011,960                             | 6.27%              | \$ 6,208,050   |
| Jun-03   | <u>.</u>          | 315,162                     | \$ 1,351,451               | \$ 69,666                   | 53,280 \$                             | 603,774  | 65,030,277 \$      | 17,523,845      | ,                        | 97,484,484        | \$ 98,386,528                             | 6.27%              | \$ 6,168,835   |
| 50-lul   | s.                | 315,162                     | \$ 1,346,661               | \$ 69,855                   | 83,423 \$                             | 603,316  | 65,705,933 \$      | 17,467,531      | 677<br>1                 | 96,890,226        | \$ 97,827,438                             | 6.27%              | \$ 6,133,780   |
| Aug-03   | <b>.</b>          | ,                           | \$ 1,343,655               | \$ 109,554                  | 75,629                                | 627,562  | \$ 685,186,589     | 17,411,217      | •                        | 96,324,490        | \$ 97,271,631                             | 6.27%              | \$ 6,098,931   |
| Sep-03   | <b>~</b>          | ,                           | \$ 1,326,402               | \$ 76,474                   | 69,415 \$                             | 842,038  | 95,542,799 \$      | 29,265,186      |                          | 135,037,769       | \$ 140,574,404                            | 1.24%              | \$ 1,743,123   |
| Case No. 2003-00068 Roll-In at May-02 (4)                      | <u>~</u>          | (1,243,596)                 | (1,243,596) \$ (1,261,319) | \$ (158,245)                | \$ (015,711) 5                        | (853,850)  | \$ (56,196,133) \$ | \$ (18,640,410) |                          | (105,329,666)     | \$ (105,878,460)                          | 6.27%              | \$ (6,638,579) |
| Case No. 2003-00068 Roll-In at May-02 (Pre-1993)               | ۰.                | ,                           | ,<br>•                     | ,                           | • • • • • • • • • • • • • • • • • • • | ,  | (26,493,999) \$    | \$ (12,677,294) | (401,801) \$             | (39,889,788)      | \$ (45,552,596)                           | %00.0              |                |
| 0443   | ₩.                | ,                           | \$ 1,316,666               | \$ 75,377                   | 63,922 \$                             | 854,520  | 96,347,261 \$      | 29,160,583      |                          | 134,334,066       | \$ 139,868,536                            | 1.24%              | \$ 1,734,370   |
| Case No. 2003-00668 Roll-In at May-02 (4)                      | <u>`</u>          | (1,243,596)                 | 1,243,596) \$ (1,261,319)  | \$ (158,245) \$             | \$ (117,310) \$                       | (853,850)  |                    | \$ (18,640,410) |                          | (105,329,666)     | \$ (105,878,460)                          | 6.27%              | \$ (6,638,579) |
| Case No. 2003-00068 Roll-in at May-02 (Pre-1993)               | s                 | ,                           |                            | ,                           |                                       | ·  | 5 (26,493,999) \$  | \$ (12,677,294) | (401,801) \$             | (39,889,788)      | \$ (45,552,596)                           | 0.00%              | •              |
| Nov-63   | S                 | •                           | \$ 1,333,991               | \$ 90,105                   | 57,184 \$                             | 832,915  | \$ 97,151,723 \$   | \$ 29,055,980   |                          | 133,637,917       | \$ 139,198,479                            | 1.24%              | 1,726,061      |
| Case No. 2003-00068 Roll-In at May-02 (4)                      | <u> </u>          | (1,243,596) <b>S</b> (1,26) | \$ (1,261,319)             | \$ (158,245)                | \$ (117,310) \$                       | (853,850)  | \$ (56,196,133) \$ | \$ (18,640,410) | ,                        | (105,329,666)     | \$ (105,878,460)                          | 6.27%              | \$ (6,638,579) |
| Case No. 2003-00068 Roll-In at May-62 (Pre-1993)               | <b>.</b>          |                             |                            | ,                           | •                                     | <u> </u>   | \$ (26,493,999) \$ | \$ (12,677,294) | (401,801) \$             | (39,889,788)      | \$ (45,552,596)                           | %00:0              |                |
| Dec-03   | <b>.</b>          | ,                           | <b>5</b>                   |                             | 49,404                                |  |                    | \$ 28,952,717   |                          | 132,934,006       | \$ 138,498,325                            | 1.24%              | \$ 1,717,379   |
| Case No. 2003-00668 Roll-In at May-02 (4)                      | c<br>v            | (1,243,596)                 | \$ (1,261,319)             | \$ (158,245) \$             | \$ (015,711) \$                       | (853,850)  |                    | \$ (18,640,410) | <u>د</u>                 | (105,329,666)     | \$ (105,878,460)                          | 6.27%              | \$ (6,638,579) |
| Case No. 2003-00066 Roll-In at May-02 (Pre-1993)               |                   | •                           |                            |                             | ٠                                     |  | \$ (26,493,999) \$ | \$ (12,677,294) | (401,801) \$             | (39,889,788)      | \$ (45,552,596)                           | %00.0              |                |
| Total \$   | _                 | 885,480                     | \$ 12,232,615              |                             |                                       |  |                    |                 | \$ (1,607,204) \$        | 843,406,904       | \$ 848,338,704                            | •                  | \$ 36,540,999  |
| 13-Month Average (Total/13) S                                  | 5 123,206,878     | 68,114                      | \$ 940,970                 | \$ 47,649 \$                | 28,881 \$                             | \$ 405,231 \$                                    | \$ 48,411,394 \$   | \$ 11,532,507   | \$ (123,631) \$          | 64,877,454        | \$ 65,256,823                             |                    | \$ 2,810,846   |
|  |                   |                             | •                          |                             |                                       |  |                    |                 |                          |                   |   |                    |                |
| 2001 PLAN  | €                 | æ                           | Ō                          | ê                           | <u>(a</u>                             | E  | 9                  | Œ               | €                        | 5                 | (E)                                       |                    |                |
| SOURCE: FILED ES FORM 2.00 PER EXPENSE MONTH Pollution Control |                   | Polintion Control           |                            |                             | Venturion                             | Worlding   | -                  | *               | Tuesday and              | Kate base         | Environmental Surenarge                   |                    |                |
| 13-MONTH AVERAGE RATE BASE                                     |                   | CWIP                        | Spare Parts                | Aprils Limentone Allowances |                                       |  | 9                  | Accular.        | Investment<br>Tax Credit | Per<br>FCB Filino | Adinstment (1)                            |                    |                |
|  |                   |                             |                            |                             |                                       |  | l                  | ŀ               | ı                        | -B+C+D+E+F-G-H-I) | (A+B+C+D+E+F-G-H-I) (A+B+C+D+E-G)*86.013% |                    |                |
|  |                   |                             |                            |                             |                                       |  |                    |                 |                          |                   |   |                    |                |

| 105,323,619   | 122,169,113 \$     | ,<br>,   | 281,701 \$   | 255,632 \$   | 'n       | • | • | ,  |    | 115,938,764 \$   | 6,707,082 \$                            | 13-Month Average (10th/13) 3                |
|---------------|--------------------|----------|--------------|--------------|----------|---|---|----|----|------------------|---|---|
| 1,369,207,043 | 1,588,198,466 \$   | <u>د</u> | 3,662,117 \$ | 3,323,217 \$ | <b>9</b> | · | • | ٠, | ٠. | 1,507,203,931 \$ | \$ 698,676,78                           | Total 5                                     |
| (15,910,366)  | (18,416,183) \$    | S        | (81,447)     | (64,993) \$  | *        |   | ı |    |    | (8,787,082)      | (9,775,541) \$                          | Case No. 2003-00068 Roll-In at May-02 (4) 5 |
| 168,440,223   | 195,426,159 \$     | •        | 404,963      | 372,847 \$   | ₩        |   |   |    |    | 186,428,428      | 9,775,541 \$                            | \$ 50-0eG                                   |
| (15,910,366)  | (18,416,183) \$    | •        | (81,447)     | (64,993) \$  | 49       |   |   |    |    | (8,787,082)      | (9,775,541) \$                          | Case No. 2003-00058 Roll-In at May-02 (4) S |
| 149,052,482   | 172,902,048 \$     | s,       | 388,597      | 356,645 \$   | •        |   |   |    |    | 163,871,749      | 9,775,541 \$                            | S Ed-Nov                                    |
| (15,910,366)  | (18,416,183) \$    | Ś        | (81,447)     | (64,993) \$  | 4        |   |   |    |    | (8,787,082)      | ¢ (145'57'5)                            | C (4) 70-KM 14 UNION DOING TO WAY-OX (4)    |
| 147,116,246   | 170,667,318 \$     | ۰        | 372,230      | 340,442 \$   | ٠,       |   |   |    |    | 161,604,449      | 3,775,541 \$                            | Oct-03 \$                                   |
| (15,910,366)  | (18,416,183) \$    | <b>~</b> | (81,447)     | (64,993) \$  | ø        |   |   |    |    | (8,787,082)      | (9,775,541) \$                          | Case No. 2003-00068 Roll-In at May-02 (4) S |
| 137,304,066   | 159,275,897 \$     | <u>.</u> | 355,863      | 324,239 \$   | S        |   |   |    |    | 150,180,458      | 9,775,541 \$                            | S RO-des                                    |
| 131,313,013   | 152,326,976 \$     | s        | 339,496      | 308,036 \$   | 49       |   |   |    |    | 143,198,967      | 9,775,541 \$                            | Aug-03 S                                    |
| 122,731,469   | 142,366,312 \$     | ₩.       | 323,129      | 291,833 \$   | s        |   |   |    |    | 133,205,733      | 9,775,541 \$                            | \$ 50-101                                   |
| 107,472,538   | 124,642,418 5      | s        | 306,762      | 275,630 \$   | LA.      |   |   |    |    | 115,449,269      | 9,775,541 \$                            | Jun-03 S                                    |
| 94,938,545    | 110,086,577 \$     | s        | 290,395      | 259,427 \$   | s        |   |   |    |    | 100,860,858      | 9,775,541 \$                            | S CO-YEM                                    |
| 92,190,041    | 106,907,492 \$     | s        | 274,028      | 243,224 \$   | <b>~</b> |   |   |    |    | 97,649,203       | 9,775,54                                | Apr-03 \$                                   |
| 81,364,900    | 94,338,388 \$      | s        | 257,661      | 227,021 \$   | <b>~</b> |   |   |    |    | 85,047,529       | 9,775,541 \$                            | S NO-LESS                                   |
| 79,714,442    | 92,435,908 \$      | v        | 241,294      | 210,818 \$   | 4        |   |   |    |    | 83,112,479       | 9,775,541 \$                            | M M M M M M M M M M M M M M M M M M M       |
| 61,416,157    | 71,178,415 \$      | <b>∽</b> | 224,927      | 194,615 \$   | <b>~</b> |   |   |    |    | 61,822,416       | 9,775,541                               | S SP-uer                                    |
| 59,794,388    | <b>8</b> 967309730 | <b>~</b> | 208,560      | 178,412 \$   | s,       |   |   |    |    | 7,104,150        | , |   |

NOTES: (1) The Envirionmental Surcharge Capitalization Adjustment represents the sum of Pollution Control Utility Plant and Pollution Control CWIP plus Spare Parts, Limestone, and Emission Allowances, less Accum. Depreciation pursuant to the PSC Orders in Case No. 98-474 times a jurisdictional factor from Form 3f, page 1, col. 6 / Form3f, page 1, col. 2 (1994 Plan) or Form 3f, page 1, col. 7 / Form 3f, page 1, col. 3 (2001 Plan).
(2) The Authorized Rate of Return represents the rate of return approved for the expense month and roll-in period.
(3) The Environmental treat Expense represents the product of the Environmental Surcharge Capitalization Adjustment and Authorized Rate of Return for Interest Expense Page 1, col. 3 (2001 Plan).
(4) Furnuant to Exhibit CAF-3 in Case No. 98-474.

#### Calculation of Revenue Requirement for Roll-In:

| Environmental Compliance Rate Base                           | , t       |                        |                          |                     |            |
|--|-----------|------------------------|--------------------------|---------------------|------------|
| Pollution Control Plant in Service                           |           | ES Form 2.0, May 2002  | 470 E24 000              | 0775544             |            |
| Pollution Control CWIP Excluding AFUDC                       |           | ES Form 2.0, May 2002  | 176,531,889<br>1,243,596 | 9,775,541           |            |
| 7 Shakari Odhikol Ovyli Exclosing 74 ODO                     | Subtotal  | 23 FORM 2.0, Way 2002  |                          | 8,787,082           |            |
|  | Cubiciai  |                        | 177,775,485              | 18,562,623          |            |
| Additions:   |           |                        |                          |                     |            |
| Inventory - Spare Parts                                      |           | ES Form 2.0, May 2002  | 1,261,319                | _                   |            |
| Inventory - Limestone  |           | ES Form 2.0, May 2002  | 158,245                  | _                   |            |
| Inventory - Emission Allowances                              |           | ES Form 2.0, May 2002  | 117,310                  | _                   |            |
| Cash Working Capital Allowance                               |           | ES Form 2.0, May 2002  | 853,850                  | -                   |            |
| •                      | Subtotal  | 2010 2.0,              | 2,390,724                |                     |            |
|  |           |                        | 2,000,124                |                     |            |
| Deductions:  |           |                        |                          |                     |            |
| Accumulated Depreciation on Pollution Control Plant          |           | ES Form 2.0, May 2002  | 56.196.133               | 64,993              | .•         |
| Pollution Control Deferred Income Taxes                      |           | ES Form 2.0, May 2002  | 18,640,410               | 81, <del>44</del> 7 | •          |
| Pollution Control Deferred Investment Tax Credit             |           | ES Form 2.0, May 2002  | -                        | -                   |            |
|  | Subtotal  | <b>,</b>               | 74,836,543               | 146,440             |            |
|  |           |                        |                          |                     |            |
| Environmental Compliance Rate Base                           |           |                        | 105,329,666              | 18,416,183          |            |
| Rate of Return Environmental Compliance Rate Base            |           |                        | 6.27%                    | 14.41%              |            |
| Return on Environmental Compliance Rate Base                 |           |                        | 6,604,170                | 2,653,772           |            |
| Pollution Control Occasion Function                          |           |                        |                          |                     |            |
| Pollution Control Operating Expenses                         |           |                        |                          |                     |            |
| 12 Month Depreciation and Amortization Expense               |           | See Support Schedule A | 7,084,107                | 64,993              |            |
| 12 Month Taxes Other than Income Taxes                       |           | See Support Schedule A | 202,572                  | 9,375               |            |
| 12 Month Insurance Expense                                   |           | See Support Schedule A | 74,67 <b>6</b>           | •                   |            |
| 12 Month Emission Allowance Expense                          |           | See Support Schedule A | 110,749                  | •                   |            |
| 12 Month Operating and Maintenance Expense                   |           | See Support Schedule A | 6,830,800                | -                   | 5,190,221  |
| Less O&M Expenses Already Included in Base Rates             |           | ES Form 2.1, May 2002  |                          |                     |            |
| Total Pollution Control Operating Expenses                   |           |                        | 14,302,904               | 74,368              | 12,662,325 |
| Gross Proceeds from By-Product & Allowance Sales             |           | See Support Schedule B | 391,001                  |                     |            |
| Total Company Environmental Surcharge Gross Revenue R        | equiremen | t Roll In Amount       |                          |                     |            |
| Return on Environmental Compliance Rate Base                 |           |                        | <u> </u>                 |                     |            |
| Pollution Control Operating Expenses                         |           |                        | 6,604,170                | 2,653,772           |            |
| Less Gross Proceeds from By-Product & Allowance Sales        |           |                        | 14,302,904               | 74,368              | 12,662,325 |
| Less Gross Proceeds from By-Product & Allowance Sales        |           |                        | (391,001)                | -                   |            |
| Roll In Amount   |           |                        | 20,516,073               | 2,728,140           | 18,875,494 |
| Jurisdictional Allocation Ratio Roll in                      |           | See Support Schedule C | 77.1941%                 | 77.1941%            |            |
| Jurisdictional Revenues for 12 Months for Roll In            |           | See Support Schedule C | 591,220,529              | 591,220,529         |            |
| Roll In Jurisdictional Environmental Surcharge Factor:       |           |                        |                          |                     |            |
| Total Company Environmental Surcharge Gross Revenue Requ     | irement F | Roll In Amount         | 20,516,073               | 2,728,140           | 18,875,494 |
| Jurisdictional Allocation Ratio Roll In                      |           |                        | 77.1941%                 | 77.1941%            |            |
| Jurisdictional Environmental Surcharge Gross Revenue Require | ement Rol | I In Amount            | 15,837,192               | 2,105,962           | 17,943,154 |
|  |           | Base Rate Increase     | 2.6787%                  | 0.3562%             | 3.0349%    |

#### CASE NO. 2004-00070

#### Response to the Commission's First Data Request Dated: April 15, 2004

#### Question No. 6

Responding Witness: Valerie L. Scott

- Q-6. Refer to the 2004 ESM Filing, Appendix B.
  - a. For both employee labor costs and contractor costs, provide the capitalized amounts, the expensed amounts, and the total amounts (capitalized plus expensed) for 2002 and 2003. Also provide the capitalization ratios for employee labor and contractor costs for 2002 and 2003.
  - b. The employee headcount was 1,280 at December 31, 2002 and 1,283 at December 31, 2003, an increase of 0.23 percent. Explain why employee labor costs increased from \$84,596,426 in 2002 to \$93,294,055 in 2003, an increase of 10.28 percent.
  - c. Identify the types of costs included in the burdened labor costs and provide the specific percentage increases in the various components of burdened labor costs between 2002 and 2003.
  - d. Identify whether changes in the ratios of capitalized costs and expensed costs impacted the percentage increase for employee labor.
  - e. Contractor costs increased from \$55,065,901 in 2002 to \$57,322,911 in 2003, an increase of 4.10 percent.
    - (1) Provide a schedule summarizing the increases or decreases in operation and maintenance contractor costs by functional areas.
    - (2) Provide a detailed explanation for the decrease in contractor costs between 2002 and 2003, including the extent to which changes in the capitalization ratios impacted the magnitude of the decrease.
- A-6. a. Employee labor cost and contractor cost capitalized and O&M amounts and the labor total for 2002 and 2003:

|                | 2002          | 2003          | Difference    |
|----------------|---------------|---------------|---------------|
| EMPLOYEE LABOR |               |               |               |
| Capital        | \$23,128,056  | \$25,469,902  | \$2,341,846   |
| O&M            | 84,596,426    | 93,294,055    | 8,697,629     |
| Total          | \$107,724,482 | \$118,763,957 | \$11,039,475  |
| CONTRACTOR     |               |               |               |
| Capital        | \$83,739,723  | \$197,963,491 | \$114,223,768 |
| O&M            | 55,065,901    | 57,322,911    | 2,257,010     |
| Total          | \$138,805,624 | \$255,286,402 | \$116,480,778 |

Employee and contract labor costs are not allocated to capital and O&M based on ratios but charged directly based upon the actual work performed.

- b. Direct employee labor cost increased in 2003 by approximately \$4.3 million due to wage increases and other employee changes (i.e., changes between labor charged to capital versus expense). The remaining O&M labor increase is from the overall increase in burdens of \$4,349,493 in 2003 as identified in response to c.
- c. Employee burden cost by type for 2002 and 2003:

|  | 2002         | 2003         | Difference  | Percent |
|--|--------------|--------------|-------------|---------|
| Vacation and Holiday                     | \$6,249,035  | \$5,820,063  | (\$428,972) | (6.9)   |
| Hospitalization                          | 5,723,777    | 4,902,777    | (821,000)   | , ,     |
| Thrift Plan                              | 1,516,485    | 1,867,928    | 351,443     | 23.2    |
| Off Duty and Sick                        | 1,694,836    | 1,856,877    | 162,041     | 9.6     |
| Workers Compensation                     | 866,303      | 864,520      | (1,783)     | (0.2)   |
| Pensions, Dental, Post Retirement, Group |              |              | , , ,       | ` ′     |
| Life Insurance, and Post Employment      |              |              |             |         |
| Benefits                                 | 9,288,643    | 14,693,628   | 5,404,985   | 58.2    |
| Team Incentive Award                     | 5,089,063    | 4,771,842    | (317,221)   | (6.2)   |
| Total                                    | \$30,428,142 | \$34,777,635 | \$4,349,493 | 14.3    |

- d. Employee and contract labor costs are not allocated to capital based on ratios but upon the actual work projects performed.
- e. (1) Listed below is the summary of the increase in O&M contractor costs for functional areas.

| FUNCTION                    | 2003 vs. 2002 Contractor O&M<br>Increase/(Decrease) |
|-----------------------------|---|
| Steam                       | (\$3,757,688)                                       |
| Hydraulic                   | 12,294  |
| Other Power Generation      | (634,157)   |
| Other Power Supply          | 11,413  |
| Electric Transmission       | (39,051)  |
| Electric Distribution       | 13,363,431  |
| Customer Accounts           | (3,212,714)   |
| Customer Service and Inform | national 650,872                                    |
| Sales Expenses              | 120,250   |
| A&G Total                   | (4,257,641)   |
| Total                       | \$2,257,009   |

e. (2) Steam generation contractor O&M expenses decreased in 2003 versus 2002 due to decreased outage repairs at Ghent and E W Brown steam generating plants.

Electric distribution increase is due to \$9.85 million in O&M charges for the KU ice storm. The remaining increase was primarily due to the reclassification of contractor meter charges from Customer Accounts in 2003.

Customer accounts decreased due to the reclassification of charges for contractor meter expenses to electric distribution in 2003.

Administrative and general expenses primarily decreased due to the amortization of merger expenses for only a half of year in 2003 compared to a full year in 2002. This amortization was charged to contractor costs in error, the decrease in 2003 was \$2 million. The remaining decrease was due to decreased legal expenses incurred in 2003 as compared to 2002 for legal expenses associated with the E. W. Brown combustion turbine litigation.

The contractor charges are directly assigned to O&M and capital based on work performed. Allocations are not used to charge capital or O&M.