STATE OF NEW JERSEY OFFICE OF ADMINISTRATIVE LAW BEFORE THE HONORABLE RICHARD MCGILL, ALJ

| |) | |
|--------------------------------|---|--------------------------------|
| I/M/O THE VERIFIED PETITION OF |) | |
| ROCKLAND ELECTRIC COMPANY |) | |
| FOR APPROVAL OF CHANGES IN |) | BPU DOCKET No. ER09080668 |
| ELECTRIC RATES, ITS TARIFF FOR |) | OAL DOCKET No. PUC-11407-2009N |
| ELECTRIC SERVICES, ITS |) | |
| DEPRECIATION RATES, AND OTHER |) | |
| RELIEF |) | |

DIRECT TESTIMONY OF MICHAEL J. MAJOROS ON BEHALF OF THE NEW JERSEY DEPARTMENT OF THE PUBLIC ADVOCATE, DIVISION OF RATE COUNSEL

STEFANIE A. BRAND, ESQ. ACTING PUBLIC ADVOCATE OF NEW JERSEY AND DIRECTOR, DIVISION OF RATE COUNSEL

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1 I. **INTRODUCTION** 2 State your name. Q. 3 A. Michael J. Majoros, Jr. 4 Q. Who is your employer, and what is your position? 5 A. I am Vice President of Snavely King Majoros O'Connor & Lee, Inc. ("Snavely King"), located at 1111 14th Street, N.W., Suite 300, Washington, D.C. 20005. 6 7 Q. **Describe Snavely King.** 8 A. Snavely King is a progressive economic consulting firm, founded in 1970 to 9 conduct research on a consulting basis into the rates, revenues, costs and 10 economic performance of regulated firms and industries. Our clients include 11 government agencies, businesses and individuals that purchase telecom, public 12 utility and transportation services. 13 In addition to consumer cost and anti-trust issues, we have provided our 14 expertise in support of a clean environment and personal damages resulting from 15 discrimination in agricultural programs. We believe in accountability, fair 16 competition and effective regulation. 17 The firm has a professional staff of 11 economists, accountants, engineers 18 and cost analysts. Most of our work involves the development, preparation and 19 presentation of expert witness testimony before Federal and state regulatory 20 agencies. Over the course of our 36-year history, members of the firm have

participated in more than 1,000 proceedings before almost all of the state

21

| 1 | | commissions and all Federal commissions that regulate utilities or transportation |
|----|----|---|
| 2 | | industries. |
| 3 | Q. | Have you prepared a summary of your qualifications and experience? |
| 4 | A. | Yes, I have. Appendix A is a summary of my qualifications and experience. |
| 5 | | Appendix B is a tabulation of my appearances as an expert witness before state |
| 6 | | and Federal regulatory agencies. |
| 7 | Q. | At whose request are you appearing in this proceeding? |
| 8 | A. | I am appearing at the request of the New Jersey Department of the Public |
| 9 | | Advocate, Division of Rate Counsel ("Rate Counsel"). |
| 10 | Q. | What is the subject of your testimony? |
| 11 | A. | My testimony addresses depreciation. |
| 12 | Q. | Do you have any specific experience in the field of public utility depreciation? |
| 13 | A. | Yes, I do. I and other members of my firm specialize in the field of public utility |
| 14 | | depreciation. We have appeared as expert witnesses on this subject before the |
| 15 | | regulatory commissions of almost every state in the country. I have testified in |
| 16 | | over 100 proceedings on the subject of public utility depreciation, including |
| 17 | | several appearances before the New Jersey Board of Public Utilities ("BPU" or |
| 18 | | "Board"). |
| 19 | Q. | How many times have you addressed public utility depreciation in New |
| 20 | | Jersey proceedings? |
| 21 | A. | I have appeared in more than twenty New Jersey proceedings on the subject of |
| 22 | | public utility depreciation. These have included electric, gas, water, telephone |
| 23 | | and waste removal utilities. |

1 II. **PURPOSE OF TESTIMONY** 2 Q. Explain the purpose of your testimony. 3 A. Rate Counsel asked me to review Rockland Electric Company's ("RECO," 4 "Rockland," or "the Company") depreciation-related testimony and exhibits. 5 Company witness Charles D. Hutcheson prepared RECO's depreciation testimony 6 and witness Richard A. Kane implements the recommendations in Adjustment 7 Nos. 15, 16 and 17. I am to express an opinion regarding the reasonableness of 8 the Company's depreciation proposal and, if warranted, make alternative 9 recommendations. 10 III. **RECO'S CURRENT DEPRECIATION RATES** 11 Q. When were RECO's current depreciation rates approved? 12 A. The Board re-approved RECO's current depreciation rates in BPU Docket No. 13 ER06060483 Decision and Order issued March 22, 2007. As with the current 14 case, Mr. Hutcheson prepared the depreciation study in that case and sponsored 15 the results. I testified on behalf of the Ratepayer Advocate. 16 Q. What did the Board decide in the prior case? 17 A. The Board approved the Stipulation in that case which consisted of retaining the 18 then current depreciation rates and amortizations and established a \$365,000 19 going-forward net salvage allowance.

1 IV. RECO'S CURRENT DEPRECIATION PROPOSAL

- 2 Q. Please describe RECO's depreciation-related proposal in the current case.
- 3 A. Mr. Charles Hutcheson's proposal results in a \$611,000 increase in depreciation
- 4 expenses based on December 31, 2009 plant balances. Mr. Hutcheson used
- 5 December 31, 2008 plant balances to calculate whole-life rates and theoretical
- 6 reserves. He also based his life studies on plant in service as of December 31,
- 7 2008. These studies result in both longer and shorter plant lives.²

8 Q. What does Mr. Hutcheson propose regarding net salvage?

- 9 A. Mr. Hutcheson proposes retaining the net salvage allowance method but with a
- switch to a 3-year average. The change in time period would increase the current
- 11 net salvage allowance by \$152,000 from \$365,000 to \$517,000.³ In addition to an
- increase in the net salvage allowance, RECO has calculated a \$1,461,000
- deficiency in collections for negative net salvage over the past three years. The
- 14 Company proposes to amortize this deficiency over 3 years \$487,000 annually.⁴
- 15 Q. Summarize each of the different dollar effects of Mr. Hutcheson's proposals.
- 16 A. The following table summarizes the annual adjustments due to Mr. Hutcheson's
- proposals. It also shows the proposed annual amortization for unrecovered cost of
- removal.

¹ Kane Exhibits P-2 and P-3, 12+0 Update.

² Exhibit P-6.

³ Kane Exhibit P-2, Schedule 17, 12+0 Update.

⁴ Id

Direct Testimony

Michael J. Majoros, Jr.

1

RECO Depreciation Adjustments <u>Lives and Net Salvage</u>⁵

| 2 | | Lives \$ (28,000) Future Net Salvage Increase 152,000 Recovery of Past Cost of Removal 487,000 Total Adjustments \$ 611,000 | | | |
|----|----|--|--|--|--|
| 3 | | | | | |
| 4 | V. | CONCLUSIONS | | | |
| 5 | Q. | Do you agree or disagree with Mr. Hutcheson's and Mr. Kane's proposal? | | | |
| 6 | A. | I agree with Mr. Hutcheson's service life proposal, but I disagree with both his | | | |
| 7 | | and Mr. Kane's net salvage proposals. | | | |
| 8 | Q. | Why do you disagree with RECO's future net salvage proposals? | | | |
| 9 | A. | I disagree with RECO's net salvage proposals because they reflect an abuse of | | | |
| 10 | | previous depreciation determinations. The Board adopted a net salvage allowance | | | |
| 11 | | approach for RECO in Docket No. ER02100724. In Docket No. ER06060483, | | | |
| 12 | | RECO filed to increase the allowance from \$150,000 to \$435,000 and to amortize | | | |
| 13 | | the excess of net salvage expenditures over the allowance. ⁶ In the current docket, | | | |
| 14 | | RECO has filed to increase the allowance from \$365,000 to \$517,000 and to | | | |
| 15 | | again amortize the excess of net salvage expenditures over the allowance. | | | |
| 16 | | With each filing, RECO's net salvage claims continue to increase as a result of | | | |
| 17 | | increases to the actual cost of removal. However, a majority of the "actual cost" | | | |
| 18 | | of removal is in reality an allocation of a portion of plant replacement costs to the | | | |

⁵ Exhibit P-2, Schedules 15, 16 and 17, 12+0 Update Hutcheson Direct Testimony, pp. 7-8 and Exhibit P-6, Schedule 3 BPU Docket No. ER06060483.

| 1 | | cost of removal. It is not incremental cost of removal. Instead it is an assignment |
|---------------------------------|-----------------|---|
| 2 | | or allocation of a portion of a cost that RECO would incur regardless of an |
| 3 | | accounting allocation procedure. |
| 4 | Q. | Do you object to the procedure? |
| 5 | A. | I object to the procedure if it continues to result in cost of removal driven |
| 6 | | increases in depreciation expense. In fact, RECO should capitalize and depreciate |
| 7 | | all of the cost of replacement. The FERC uniform system of accounts ("USoA") |
| 8 | | defines cost of removal as follows: |
| 9 10 11 12 13 14 | | 10. Cost of removal means the cost of demolishing, dismantling, tearing down or otherwise removing electric plant, including the cost of transportation and handling incidental thereto. (18CFR Ch.1, Subchapter C, Part 101, Definition 10.) |
| 15 | | This definition implies inclusion of final end of life costs associated with the |
| 16 | | retirement of electric plant in cost of removal . Many utilities with nuclear plants |
| 17 | | have legal obligations and expect to incur such costs on the retirement of those |
| 18 | | plants. |
| 19 20 21 22 | Q. A. | Does the FERC USoA also define replacements? Yes, the FERC USoA defines replacements as follows: |
| 23 24 25 26 27 | | 31. A. <i>Replacing or replacement</i> , when not otherwise indicated in the context, means the construction or installation of electric plant, together with the removal of the property retired. (Id., Definition 31.) |
| 28 | | FERC's definition means that retirement costs incurred in connection with a |
| 29 | | replacement are a component of the replacement cost. |

30

VIII. <u>RECOMMENDATIONS</u>

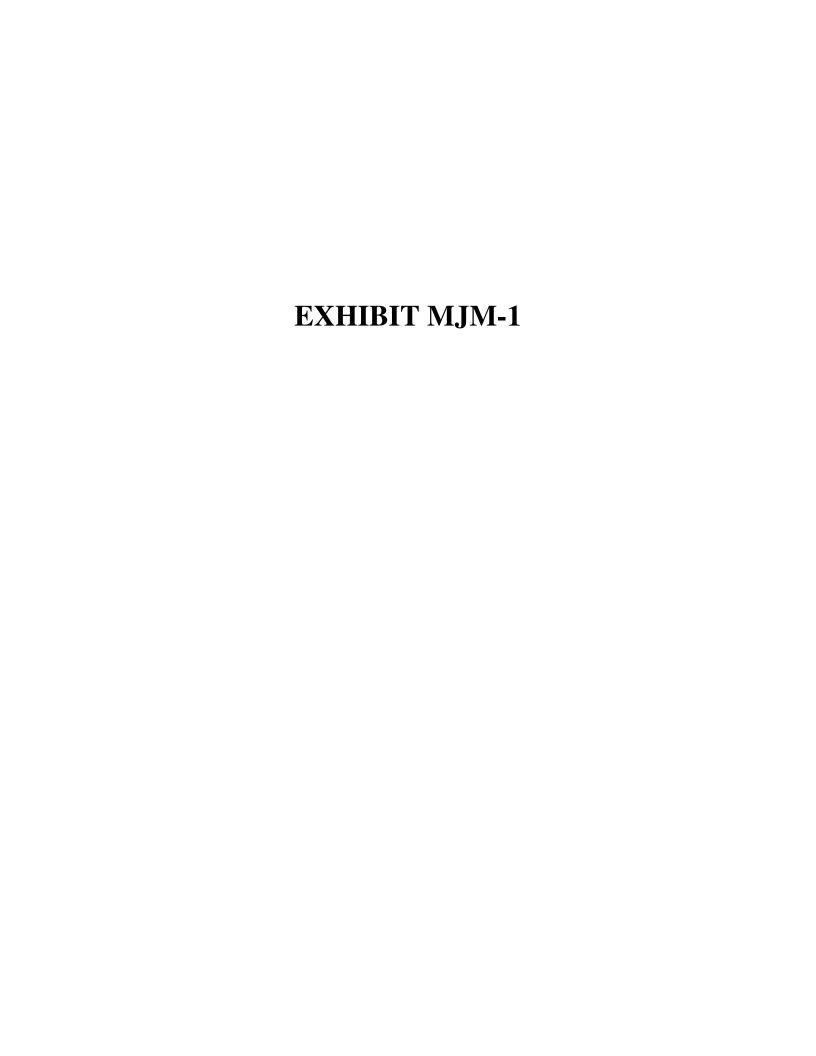
1

| 2 | Q. | What do you recommend? | | |
|----------------|----|---|--|--|
| 3 | A. | The Board should make the Company whole for its reasonable and prudent | | |
| 4 | | removal costs. However, given that RECO controls what that cost is, I | | |
| 5 | | recommend that instead of continuously increasing service rates through its cost | | |
| 6 | | of removal allowance, RECO should limit the amount it allocates to removal costs | | |
| 7 | | to the allowed level of the allowance. In other words, RECO's present net | | |
| 8 | | salvage allowance should remain at \$365,000 per year. Going forward, it should | | |
| 9 | | allocate no more than \$365,000 of its replacement costs to cost of removal. | | |
| 10 | Q. | Are there any alternatives to this approach? | | |
| 11 | A. | Yes, the Board could order the company to discontinue its practice of allocating | | |
| 12 | | any replacement costs to cost of removal. | | |
| 13 | Q. | Do you have any other recommendations? | | |
| 14 | A. | Yes, Mr. Kane proposes to amortize over three years the excess of the allocated | | |
| 15 | | cost of removal for the period April 1, 2007 to June 30, 2009. I recommend that | | |
| 16 | | the period be set to 10 years, and then after that, there should be no additional | | |
| 17 | | excesses because the annual cost of removal will be limited to the \$365,000 net | | |
| 18 | | salvage allowance. | | |
| 19 | Q. | Did you describe your concerns about a growing amount of negative net | | |
| 20 | | salvage in any prior testimony? | | |
| 21 | A. | Yes, I explained my concern in Docket No. ER06060483. I stated: | | |
| 22 23 24 | | I am concerned because the amounts have increased substantially over the past three years. The Company has considerable control over the amount of expenditures it claims for cost of removal. In | | |

Direct Testimony <u>Of</u> Michael J. Majoros, Jr.

| 1 2 3 4 | | fact, these charges generally result from allocations of replacement costs, and allocations are always somewhat arbitrary. Hence, I am concerned when allocated numbers seem to increase precipitously. ⁷ |
|------------------|-------|--|
| 5 | | I believe these costs are controlled by RECO, and the increases may |
| 6 | | be in part related to a change in cost of removal estimates. I also |
| 7 | | believe that in part they are related to specific one-time projects, and |
| 8 | | will not stay at this level. ⁸ |
| 9 | | |
| 10 | | As I stated, a majority of RECO's retirements result from |
| 11 | | replacements. RECO determines a need to replace assets in |
| 12 | | conjunction with its obligation to provide service. When RECO |
| 13 | | determines that assets should be replaced, it estimates the entire |
| 14 | | replacement cost, and then allocates a portion of the replacement |
| 15 | | cost to cost of removal. ⁹ |
| 16 | | |
| 17 | | Changes in accounting procedures impact the reported cost of |
| 18 | | removal. Significant portions of the recorded cost of removal are |
| 19 | | the results of allocations. Since all allocation factors are at least |
| 20 | | somewhat arbitrary, it is reasonable to assume that two independent |
| 21 | | estimators reviewing the same project could reach different |
| 22 | | conclusions concerning the portion of a replacement project to be |
| 23 | | allocated to cost of removal. 10 |
| 24 | | |
| 25 | XIII. | SUMMARY OF RECOMMENDATIONS |
| 26 | Q. | Have you summarized your recommendations? |
| 27 | A. | Yes, my recommendations are summarized and compared to the Company's |
| 28 | | recommendations on Exhibit(MJM-1). |
| 29 | Q. | Does this conclude your testimony? |
| 30 | A. | Yes, it does. |
| | | |

Direct Testimony of Michael J. Majoros, Jr. BPU Docket No. ER06060483, p. 12.
 Direct Testimony of Michael J. Majoros, Jr. BPU Docket No. ER06060483, p. 14.
 Id.
 Id.

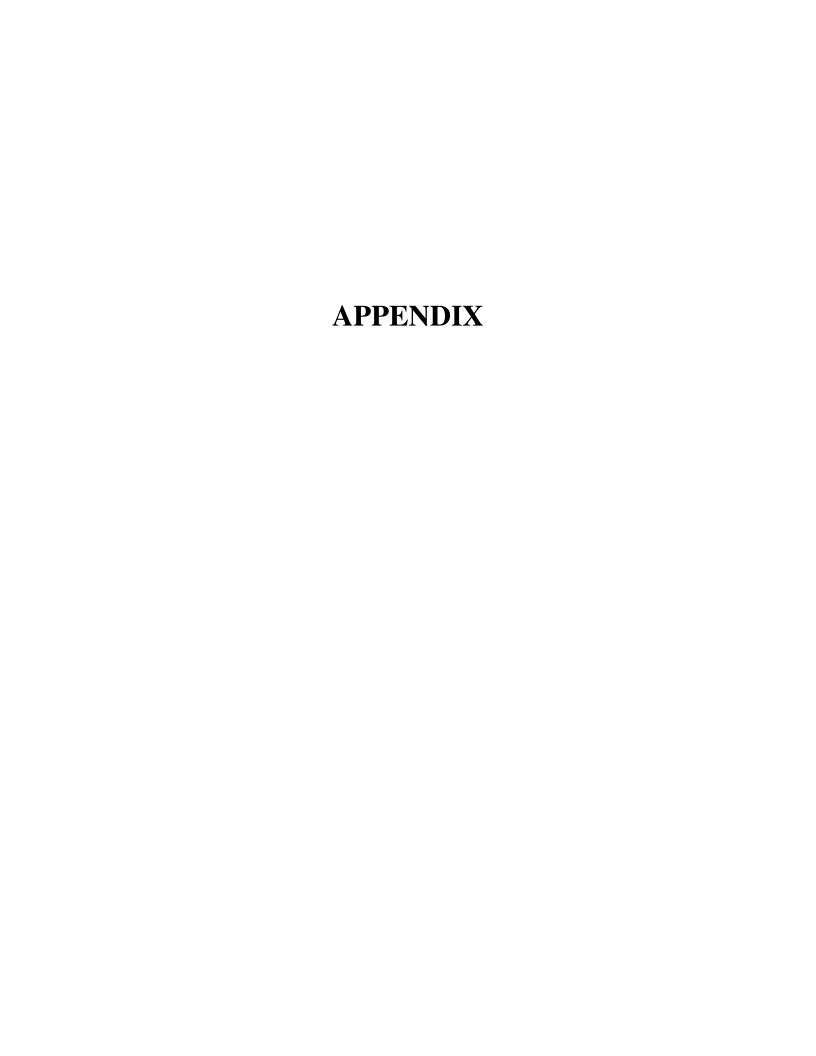


ROCKLAND ELECTRIC COMPANY

Adjustment
To Depreciation Expense
For the Twelve Months Ended December 31, 2009

| | | <u>Company</u> | Rate <u>Counsel</u> |
|--|-----------|-------------------------------------|-------------------------------|
| Average Net Removal Costs Net Removal Costs Allowed (Case ER02100724) Additional Net Removal Costs Allowed | | \$517,266 (365,000) \$152,266 | \$365,000 (365,000) \$0 |
| | Actual | Rate | Rate |
| | Spending | Allowance | Allowance |
| 12 Months Ending March 31, 2008 | 680,089 | 365,000 | 365,000 |
| 12 Months Ending March 31, 2009 | 916,556 | 365,000 | 365,000 |
| 3 Months Ending June 31, 2009 | 868,134 | 273,750 | 273,750 |
| Total | 2,464,779 | 1,003,750 | 1,003,750 |
| Difference in Actual Spending versus Rate Allowance Amortization Period (years) Difference Amortized over Period | | 1,461,029 3 \$487,010 | 1,461,029 10 \$146,103 |
| Total Additional Cost of Removal Requested | | \$639,276 | \$146,103 |
| Rounded | | \$639,000 | \$146,000 |

Source: Exhibit P2, Schedule 17, 12+0 Update



Experience

Snavely King Majoros O'Connor & Bedell, Inc.

Vice President and Treasurer (1988 to Present) Senior Consultant (1981-1987)

Mr. Majoros provides consultation specializing in accounting, financial, and management issues. He has testified as an expert witness or negotiated on behalf of clients in more than one hundred thirty regulatory federal and state regulatory proceedings involving telephone, electric, gas, water, and sewerage companies. His testimony has encompassed a wide array of complex issues including taxation, divestiture accounting, revenue requirements, rate base, nuclear decommissioning, plant lives, and capital recovery. Majoros has also provided consultation to the U.S. Department of Justice and appeared before the U.S. EPA and the Maryland State Legislature on matters regarding the accounting and plant life effects of electric plant modifications and the financial capacity of public utilities to finance environmental controls. He has estimated economic damages suffered by black farmers in discrimination suits.

Van Scoyoc & Wiskup, Inc., Consultant (1978-1981)

Mr. Majoros conducted and assisted in various management and regulatory consulting projects in the public utility field, including preparation of electric system load projections for a group of municipally and cooperatively owned electric systems; preparation of a system of accounts and reporting of gas and oil pipelines to be used by a state regulatory commission; accounting system analysis and design for rate proceedings involving electric, gas, and telephone utilities. Mr. Majoros provided onsite management accounting and controllership assistance to a municipal electric and water utility. Mr. Majoros also assisted in an antitrust proceeding involving a major electric utility. He submitted expert testimony in FERC Docket No. RP79-12 (El Paso Natural Gas Company), and he co-authored a study entitled Analysis of Staff Study on Comprehensive Tax Normalization that was submitted to FERC in Docket No. RM 80-42.

Handling Equipment Sales Company, Inc. Controller/Treasurer (1976-1978)

Mr. Majoros' responsibilities included financial management, general accounting and reporting, and income taxes.

Ernst & Ernst, Auditor (1973-1976)

Mr. Majoros was a member of the audit staff where his responsibilities included auditing, supervision, business systems analysis, report preparation, and corporate income taxes.

University of Baltimore - (1971-1973)

Mr. Majoros was a full-time student in the School of Business.

During this period Mr. Majoros worked consistently on a parttime basis in the following positions: Assistant Legislative Auditor – State of Maryland, Staff Accountant – Robert M. Carney & Co., CPA's, Staff Accountant – Naron & Wegad, CPA's, Credit Clerk – Montgomery Wards.

Central Savings Bank, (1969-1971)

Mr. Majoros was an Assistant Branch Manager at the time he left the bank to attend college as a full-time student. During his tenure at the bank, Mr. Majoros gained experience in each department of the bank. In addition, he attended night school at the University of Baltimore.

Education

University of Baltimore, School of Business, B.S. – Concentration in Accounting

Professional Affiliations

American Institute of Certified Public Accountants Maryland Association of C.P.A.s Society of Depreciation Professionals

Publications, Papers, and Panels

"Analysis of Staff Study on Comprehensive Tax Normalization," FERC Docket No. RM 80-42, 1980.

"Telephone Company Deferred Taxes and Investment Tax Credits – A Capital Loss for Ratepayers," Public Utility Fortnightly, September 27, 1984.

"The Use of Customer Discount Rates in Revenue Requirement Comparisons," Proceedings of the 25th Annual Iowa State Regulatory Conference, 1986

"The Regulatory Dilemma Created By Emerging Revenue Streams of Independent Telephone Companies," Proceedings of NARUC 101st Annual Convention and Regulatory Symposium, 1989.

"BOC Depreciation Issues in the States," National Association of State Utility Consumer Advocates, 1990 Mid-Year Meeting, 1990.

"Current Issues in Capital Recovery" 30th Annual Iowa State Regulatory Conference, 1991.

"Impaired Assets Under SFAS No. 121," National Association of State Utility Consumer Advocates, 1996 Mid-Year Meeting, 1996.

"What's 'Sunk' Ain't Stranded: Why Excessive Utility Depreciation is Avoidable," with James Campbell, Public Utilities Fortnightly, April 1, 1999.

"Local Exchange Carrier Depreciation Reserve Percents," with Richard B. Lee, Journal of the Society of Depreciation Professionals, Volume 10, Number 1, 2000-2001

"Rolling Over Ratepayers," Public Utilities Fortnightly, Volume 143, Number 11, November, 2005.

"Asset Management – What is it?," American Water Works Association, Pre-Conference Workshop, March 25, 2008.

| <u>Date</u> | Jurisdiction / | Docket | Utility |
|-------------|--|----------------|----------------------------|
| | <u>Agency</u> | | |
| | | Federal Courts | |
| 2005 | US District Court, Northern District of AL, Northwestern Division 55/56/57/ | CV 01-B-403-NW | Tennessee Valley Authority |

State Legislatures

| 2006 | Maryland General Assembly 61/ | SB154 | Maryland Healthy Air Act |
|------|----------------------------------|-------|--------------------------|
| 2006 | Maryland House of Delegates 62/ | HB189 | Maryland Healthy Air Act |

Federal Regulatory Agencies

| 1979 | FERC-US <u>19</u> / | RP79-12 | El Paso Natural Gas Co. |
|------|---------------------|-------------------|------------------------------|
| 1980 | FERC-US <u>19</u> / | RM80-42 | Generic Tax Normalization |
| 1996 | CRTC-Canada 30/ | 97-9 | All Canadian Telecoms |
| 1997 | CRTC-Canada 31/ | 97-11 | All Canadian Telecoms |
| 1999 | FCC <u>32</u> / | 98-137 (Ex Parte) | All LECs |
| 1999 | FCC <u>32</u> / | 98-91 (Ex Parte) | All LECs |
| 1999 | FCC <u>32</u> / | 98-177 (Ex Parte) | All LECs |
| 1999 | FCC <u>32</u> / | 98-45 (Ex Parte) | All LECs |
| 2000 | EPA <u>35</u> / | CAA-00-6 | Tennessee Valley Authority |
| 2003 | FERC <u>48</u> / | RM02-7 | All Utilities |
| 2003 | FCC <u>52</u> / | 03-173 | All LECs |
| 2003 | FERC <u>53</u> / | ER03-409-000, | Pacific Gas and Electric Co. |
| | | ER03-666-000 | |

State Regulatory Agencies

| 1982 | Massachusetts 17/ | DPU 557/558 | Western Mass Elec. Co. |
|------|--------------------------|------------------|------------------------------|
| 1982 | Illinois <u>16</u> / | ICC81-8115 | Illinois Bell Telephone Co. |
| 1983 | Maryland <u>8</u> / | 7574-Direct | Baltimore Gas & Electric Co. |
| 1983 | Maryland <u>8</u> / | 7574-Surrebuttal | Baltimore Gas & Electric Co. |
| 1983 | Connecticut 15/ | 810911 | Woodlake Water Co. |
| 1983 | New Jersey 1/ | 815-458 | New Jersey Bell Tel. Co. |
| 1983 | New Jersey 14/ | 8011-827 | Atlantic City Sewerage Co. |
| 1984 | Dist. Of Columbia 7/ | 785 | Potomac Electric Power Co. |
| 1984 | Maryland <u>8</u> / | 7689 | Washington Gas Light Co. |
| 1984 | Dist. Of Columbia 7/ | 798 | C&P Tel. Co. |
| 1984 | Pennsylvania <u>13</u> / | R-832316 | Bell Telephone Co. of PA |
| 1984 | New Mexico 12/ | 1032 | Mt. States Tel. & Telegraph |
| 1984 | Idaho <u>18</u> / | U-1000-70 | Mt. States Tel. & Telegraph |

| 1984 | Colorado 11/ | 1655 | Mt. States Tel. & Telegraph |
|------|-------------------------|-----------------|-------------------------------|
| 1984 | Dist. Of Columbia 7/ | 813 | Potomac Electric Power Co. |
| 1984 | Pennsylvania <u>3</u> / | R842621-R842625 | Western Pa. Water Co. |
| 1985 | Maryland <u>8</u> / | 7743 | Potomac Edison Co. |
| 1985 | New Jersey <u>1</u> / | 848-856 | New Jersey Bell Tel. Co. |
| 1985 | Maryland <u>8</u> / | 7851 | C&P Tel. Co. |
| 1985 | California 10/ | I-85-03-78 | Pacific Bell Telephone Co. |
| 1985 | Pennsylvania <u>3/</u> | R-850174 | Phila. Suburban Water Co. |
| 1985 | Pennsylvania <u>3</u> / | R850178 | Pennsylvania Gas & Water Co. |
| 1985 | Pennsylvania <u>3</u> / | R-850299 | General Tel. Co. of PA |
| 1986 | Maryland <u>8</u> / | 7899 | Delmarva Power & Light Co. |
| 1986 | Maryland <u>8</u> / | 7754 | Chesapeake Utilities Corp. |
| 1986 | Pennsylvania <u>3</u> / | R-850268 | York Water Co. |
| 1986 | Maryland 8/ | 7953 | Southern Md. Electric Corp. |
| 1986 | Idaho 9/ | U-1002-59 | General Tel. Of the Northwest |
| 1986 | Maryland 8/ | 7973 | Baltimore Gas & Electric Co. |
| 1987 | Pennsylvania <u>3</u> / | R-860350 | Dauphin Cons. Water Supply |
| 1987 | Pennsylvania <u>3</u> / | C-860923 | Bell Telephone Co. of PA |
| 1987 | Iowa 6/ | DPU-86-2 | Northwestern Bell Tel. Co. |
| 1987 | Dist. Of Columbia 7/ | 842 | Washington Gas Light Co. |
| 1988 | Florida <u>4</u> / | 880069-TL | Southern Bell Telephone |
| 1988 | lowa <u>6</u> / | RPU-87-3 | Iowa Public Service Company |
| 1988 | lowa <u>6</u> / | RPU-87-6 | Northwestern Bell Tel. Co. |
| 1988 | Dist. Of Columbia 7/ | 869 | Potomac Electric Power Co. |
| 1989 | lowa <u>6</u> / | RPU-88-6 | Northwestern Bell Tel. Co. |
| 1990 | New Jersey <u>1</u> / | 1487-88 | Morris City Transfer Station |
| 1990 | New Jersey <u>5</u> / | WR 88-80967 | Toms River Water Company |
| 1990 | Florida <u>4</u> / | 890256-TL | Southern Bell Company |
| 1990 | New Jersey 1/ | ER89110912J | Jersey Central Power & Light |
| 1990 | New Jersey 1/ | WR90050497J | Elizabethtown Water Co. |
| 1991 | Pennsylvania <u>3</u> / | P900465 | United Tel. Co. of Pa. |
| 1991 | West Virginia 2/ | 90-564-T-D | C&P Telephone Co. |
| 1991 | New Jersey 1/ | 90080792J | Hackensack Water Co. |
| 1991 | New Jersey 1/ | WR90080884J | Middlesex Water Co. |
| 1991 | Pennsylvania <u>3</u> / | R-911892 | Phil. Suburban Water Co. |
| 1991 | Kansas 20/ | 176, 716-U | Kansas Power & Light Co. |
| 1991 | Indiana 29/ | 39017 | Indiana Bell Telephone |
| 1991 | Nevada 21/ | 91-5054 | Central Tele. Co. – Nevada |
| 1992 | New Jersey 1/ | EE91081428 | Public Service Electric & Gas |
| 1992 | Maryland 8/ | 8462 | C&P Telephone Co. |
| 1992 | West Virginia 2/ | 91-1037-E-D | Appalachian Power Co. |
| 1993 | Maryland 8/ | 8464 | Potomac Electric Power Co. |
| 1993 | South Carolina 22/ | 92-227-C | Southern Bell Telephone |
| 1993 | Maryland 8/ | 8485 | Baltimore Gas & Electric Co. |
| | | | |
| 1993 | Georgia 23/ | 4451-U | Atlanta Gas Light Co. |

| 1993 | New Jersey 1/ | GR93040114 | New Jersey Natural Gas. Co. |
|------|---------------------------|-------------------|-----------------------------------|
| 1994 | lowa <u>6</u> / | RPU-93-9 | U.S. West – Iowa |
| 1994 | lowa 6/ | RPU-94-3 | Midwest Gas |
| 1995 | Delaware <u>24</u> / | 94-149 | Wilm. Suburban Water Corp. |
| 1995 | Connecticut 25/ | 94-10-03 | So. New England Telephone |
| 1995 | Connecticut 25/ | 95-03-01 | So. New England Telephone |
| 1995 | Pennsylvania 3/ | R-00953300 | Citizens Utilities Company |
| 1995 | Georgia 23/ | 5503-0 | Southern Bell |
| 1996 | Maryland <u>8</u> / | 8715 | Bell Atlantic |
| 1996 | Arizona 26/ | E-1032-95-417 | Citizens Utilities Company |
| 1996 | New Hampshire <u>27</u> / | DE 96-252 | New England Telephone |
| 1997 | lowa <u>6</u> / | DPU-96-1 | U S West – Iowa |
| 1997 | Ohio 28/ | 96-922-TP-UNC | Ameritech – Ohio |
| 1997 | Michigan 28/ | U-11280 | Ameritech – Michigan |
| 1997 | Michigan 28/ | U-112 81 | GTE North |
| 1997 | Wyoming <u>27</u> / | 7000-ztr-96-323 | US West – Wyoming |
| 1997 | lowa 6/ | RPU-96-9 | US West – Iowa |
| 1997 | Illinois 28/ | 96-0486-0569 | Ameritech – Illinois |
| 1997 | Indiana <u>28</u> / | 40611 | Ameritech – Indiana |
| 1997 | Indiana 27/ | 40734 | GTE North |
| 1997 | Utah <u>27</u> / | 97-049-08 | US West – Utah |
| 1997 | Georgia <u>28</u> / | 7061-U | BellSouth – Georgia |
| 1997 | Connecticut 25/ | 96-04-07 | So. New England Telephone |
| 1998 | Florida 28/ | 960833-TP et. al. | BellSouth – Florida |
| 1998 | Illinois <u>27</u> / | 97-0355 | GTE North/South |
| 1998 | Michigan <u>33</u> / | U-11726 | Detroit Edison |
| 1999 | Maryland <u>8</u> / | 8794 | Baltimore Gas & Electric Co. |
| 1999 | Maryland <u>8</u> / | 8795 | Delmarva Power & Light Co. |
| 1999 | Maryland <u>8</u> / | 8797 | Potomac Edison Company |
| 1999 | West Virginia <u>2</u> / | 98-0452-E-GI | Electric Restructuring |
| 1999 | Delaware 24/ | 98-98 | United Water Company |
| 1999 | Pennsylvania <u>3</u> / | R-00994638 | Pennsylvania American Water |
| 1999 | West Virginia <u>2</u> / | 98-0985-W-D | West Virginia American Water |
| 1999 | Michigan 33/ | U-11495 | Detroit Edison |
| 2000 | Delaware 24/ | 99-466 | Tidewater Utilities |
| 2000 | New Mexico 34/ | 3008 | US WEST Communications, Inc. |
| 2000 | Florida 28/ | 990649-TP | BellSouth -Florida |
| 2000 | New Jersey 1/ | WR30174 | Consumer New Jersey Water |
| 2000 | Pennsylvania 3/ | R-00994868 | Philadelphia Suburban Water |
| 2000 | Pennsylvania 3/ | R-0005212 | Pennsylvania American Sewerage |
| 2000 | Connecticut 25/ | 00-07-17 | Southern New England Telephone |
| 2001 | Kentucky 36/ | 2000-373 | Jackson Energy Cooperative |
| 2001 | Kansas <u>38/39/40/</u> | 01-WSRE-436-RTS | Western Resources |
| 2001 | South Carolina 22/ | 2001-93-E | Carolina Power & Light Co. |
| 2001 | North Dakota 37/ | PU-400-00-521 | Northern States Power/Xcel Energy |

| 2001 | Indiana 29/41/ | 41746 | Northern Indiana Power Company |
|------|-------------------------|------------------|---|
| 2001 | New Jersey 1/ | GR01050328 | Public Service Electric and Gas |
| 2001 | Pennsylvania <u>3</u> / | R-00016236 | York Water Company |
| 2001 | Pennsylvania <u>3</u> / | R-00016339 | Pennsylvania America Water |
| 2001 | Pennsylvania <u>3</u> / | R-00016356 | Wellsboro Electric Coop. |
| 2001 | Florida 4/ | 010949-EL | Gulf Power Company |
| 2001 | Hawaii 42/ | 00-309 | The Gas Company |
| 2002 | Pennsylvania 3/ | R-00016750 | Philadelphia Suburban |
| 2002 | Nevada 43/ | 01-10001 &10002 | Nevada Power Company |
| 2002 | Kentucky 36/ | 2001-244 | Fleming Mason Electric Coop. |
| 2002 | Nevada 43/ | 01-11031 | Sierra Pacific Power Company |
| 2002 | Georgia 27/ | 14361-U | BellSouth-Georgia |
| 2002 | Alaska 44/ | U-01-34,82-87,66 | Alaska Communications Systems |
| 2002 | Wisconsin 45/ | 2055-TR-102 | CenturyTel |
| 2002 | Wisconsin 45/ | 5846-TR-102 | TelUSA |
| 2002 | Vermont 46/ | 6596 | Citizen's Energy Services |
| 2002 | North Dakota 37/ | PU-399-02-183 | Montana Dakota Utilities |
| 2002 | Kansas 40/ | 02-MDWG-922-RTS | Midwest Energy |
| 2002 | Kentucky 36/ | 2002-00145 | Columbia Gas |
| 2002 | Oklahoma 47/ | 200200166 | Reliant Energy ARKLA |
| 2002 | New Jersey 1/ | GR02040245 | Elizabethtown Gas Company |
| 2003 | New Jersey 1/ | ER02050303 | Public Service Electric and Gas Co. |
| 2003 | Hawaii 42/ | 01-0255 | Young Brothers Tug & Barge |
| 2003 | New Jersey 1/ | ER02080506 | Jersey Central Power & Light |
| 2003 | New Jersey 1/ | ER02100724 | Rockland Electric Co. |
| 2003 | Pennsylvania 3/ | R-00027975 | The York Water Co. |
| 2003 | Pennsylvania /3 | R-00038304 | Pennsylvania-American Water Co. |
| 2003 | Kansas 20/ 40/ | 03-KGSG-602-RTS | Kansas Gas Service |
| 2003 | Nova Scotia, CN 49/ | EMO NSPI | Nova Scotia Power, Inc. |
| 2003 | Kentucky 36/ | 2003-00252 | Union Light Heat & Power |
| 2003 | Alaska 44/ | U-96-89 | ACS Communications, Inc. |
| 2003 | Indiana 29/ | 42359 | PSI Energy, Inc. |
| 2003 | Kansas 20/ 40/ | 03-ATMG-1036-RTS | Atmos Energy |
| 2003 | Florida 50/ | 030001-E1 | Tampa Electric Company |
| 2003 | Maryland 51/ | 8960 | Washington Gas Light |
| 2003 | Hawaii 42/ | 02-0391 | Hawaiian Electric Company |
| 2003 | Illinois 28/ | 02-0864 | SBC Illinois |
| 2003 | Indiana 28/ | 42393 | SBC Indiana |
| 2004 | New Jersey 1/ | ER03020110 | Atlantic City Electric Co. |
| 2004 | Arizona 26/ | E-01345A-03-0437 | Arizona Public Service Company |
| 2004 | Michigan 27/ | U-13531 | SBC Michigan |
| 2004 | New Jersey 1/ | GR03080683 | South Jersey Gas Company |
| 2004 | Kentucky 36/ | 2003-00434,00433 | Kentucky Utilities, Louisville Gas & Electric |
| 2004 | Florida 50/ 54/ | 031033-EI | Tampa Electric Company |

| 2004 | Kentucky 36/ | 2004-00067 | Delta Natural Gas Company |
|------|--------------------|----------------------|---|
| 2004 | Georgia 23/ | 18300, 15392, 15393 | Georgia Power Company |
| 2004 | Vermont 46/ | 6946, 6988 | Central Vermont Public Service |
| 2001 | VOITHOUR TO | 00 10, 0000 | Corporation |
| 2004 | Delaware 24/ | 04-288 | Delaware Electric Cooperative |
| 2004 | Missouri 58/ | ER-2004-0570 | Empire District Electric Company |
| 2005 | Florida 50/ | 041272-EI | Progress Energy Florida, Inc. |
| 2005 | Florida 50/ | 041291-EI | Florida Power & Light Company |
| 2005 | California 59/ | A.04-12-014 | Southern California Edison Co. |
| 2005 | Kentucky 36/ | 2005-00042 | Union Light Heat & Power |
| 2005 | Florida 50/ | 050045 & 050188-EI | Florida Power & Light Co. |
| 2005 | Kansas 38/ 40/ | 05-WSEE-981-RTS | Westar Energy, Inc. |
| 2006 | Delaware 24/ | 05-304 | Delmarva Power & Light Company |
| 2006 | California 59/ | A.05-12-002 | Pacific Gas & Electric Co. |
| 2006 | New Jersey 1/ | GR05100845 | Public Service Electric and Gas Co. |
| 2006 | Colorado 60/ | 06S-234EG | Public Service Co. of Colorado |
| 2006 | Kentucky 36/ | 2006-00172 | Union Light, Heat & Power |
| 2006 | Kansas 40/ | 06-KGSG-1209-RTS | Kansas Gas Service |
| 2006 | West Virginia 2/ | 06-0960-E-42T, | Allegheny Power |
| | J | 06-1426-E-D | |
| 2006 | West Virginia 2/ | 05-1120-G-30C, | Hope Gas, Inc. and Equitable |
| | J | 06-0441-G-PC, et al. | Resources, Inc. |
| 2007 | Delaware 24/ | 06-284 | Delmarva Power & Light Company |
| 2007 | Kentucky 36/ | 2006-00464 | Atmos Energy Corporation |
| 2007 | Colorado 60/ | 06S-656G | Public Service Co. of Colorado |
| 2007 | California 59/ | A.06-12-009, | San Diego Gas & Electric Co., and |
| | | A.06-12-010 | Southern California Gas Co. |
| 2007 | Kentucky 36/ | 2007-00143 | Kentucky-American Water Co. |
| 2007 | Kentucky 36/ | 2007-00089 | Delta Natural Gas Co. |
| 2008 | Kansas 40/ | 08-ATMG-280-RTS | Atmos Energy Corporation |
| 2008 | New Jersey 1/ | GR07110889 | New Jersey Natural Gas Co. |
| 2008 | North Dakota 37/ | PU-07-776 | Northern States Power/Xcel Energy |
| 2008 | Pennsylvania 3/ | A-2008-2034045 et | UGI Utilities, Inc. / PPL Gas Utilities |
| | | al | Corp. |
| 2008 | Washington 63/ | UE-072300, | Puget Sound Energy |
| | | UG-072301 | |
| 2008 | Pennsylvania 3/ | R-2008-2032689 | Pennsylvania-American Water Co |
| | | | Coatesville |
| 2008 | New Jersey 1/ | WR08010020 | NJ American Water Co. |
| 2008 | Washington 63/ 64/ | UE-080416, | Avista Corporation |
| | | UG-080417 | |
| 2008 | Texas 65/ | 473-08-3681, 35717 | Oncor Electric Delivery Co. |
| 2008 | Tennessee 66/ | 08-00039 | Tennessee-American Water Co. |
| 2008 | Kansas | 08-WSEE-1041-RTS | Westar Energy, Inc. |
| 2009 | Kentucky 36/ | 2008-00409 | East Kentucky Power Coop. |

| 2009 | Indiana 29/ | 43501 | Duke Energy Indiana |
|------|-------------------------|------------|-------------------------------------|
| 2009 | Indiana 29/ | 43526 | Northern Indiana Public Service Co. |
| 2009 | Michigan 33/ | U-15611 | Consumers Energy Company |
| 2009 | Kentucky 36/ | 2009-00141 | Columbia Gas of Kentucky |
| 2009 | New Jersey 1/ | GR00903015 | Elizabethtown Gas Company |
| 2009 | District of Columbia 7/ | FC 1076 | Potomac Electric Power |

PARTICIPATION AS NEGOTIATOR IN FCC TELEPHONE DEPRECIATION RATE REPRESCRIPTION CONFERENCES

| COMPANY | <u>YEARS</u> | CLIENT |
|---|---------------|------------------------------------|
| Diamond State Telephone Co. <u>24</u> / | 1985 + 1988 | Delaware Public Service Comm |
| Bell Telephone of Pennsylvania 3/ | 1986 + 1989 | PA Consumer Advocate |
| Chesapeake & Potomac Telephone Co Md. <u>8/</u> | 1986 | Maryland People's Counsel |
| Southwestern Bell Telephone – Kansas 20/ | 1986 | Kansas Corp. Commission |
| Southern Bell – Florida 4/ | 1986 | Florida Consumer Advocate |
| Chesapeake & Potomac Telephone CoW.Va. 2/ | 1987 + 1990 | West VA Consumer Advocate |
| New Jersey Bell Telephone Co. 1/ | 1985 + 1988 | New Jersey Rate Counsel |
| Southern Bell - South Carolina 22/ | 1986 + 1989 + | 1992 S. Carolina Consumer Advocate |
| GTE-North – Pennsylvania 3/ | 1989 | PA Consumer Advocate |

PARTICIPATION IN PROCEEDINGS WHICH WERE SETTLED BEFORE TESTIMONY WAS SUBMITTED

| <u>STATE</u> | DOCKET NO. | <u>UTILITY</u> |
|--------------------------|----------------|---|
| Maryland <u>8</u> / | 7878 | Potomac Edison |
| Nevada <u>21</u> / | 88-728 | Southwest Gas |
| New Jersey <u>1</u> / | WR90090950J | New Jersey American Water |
| New Jersey 1/ | WR900050497J | Elizabethtown Water |
| New Jersey 1/ | WR91091483 | Garden State Water |
| West Virginia <u>2</u> / | 91-1037-E | Appalachian Power Co. |
| Nevada 21/ | 92-7002 | Central Telephone - Nevada |
| Pennsylvania <u>3</u> / | R-00932873 | Blue Mountain Water |
| West Virginia2/ | 93-1165-E-D | Potomac Edison |
| West Virginia2/ | 94-0013-E-D | Monongahela Power |
| New Jersey 1/ | WR94030059 | New Jersey American Water |
| New Jersey 1/ | WR95080346 | Elizabethtown Water |
| New Jersey 1/ | WR95050219 | Toms River Water Co. |
| Maryland <u>8</u> / | 8796 | Potomac Electric Power Co. |
| South Carolina 22/ | 1999-077-E | Carolina Power & Light Co. |
| South Carolina 22/ | 1999-072-E | Carolina Power & Light Co. |
| Kentucky <u>36</u> / | 2001-104 & 141 | Kentucky Utilities, Louisville Gas and Electric |
| Kentucky 36/ | 2002-485 | Jackson Purchase Energy Corporation |

Clients

| 4/ N | 04/ N |
|---|--|
| 1/ New Jersey Rate Counsel/Advocate | 34/ New Mexico Attorney General |
| 2/ West Virginia Consumer Advocate | 35/ Environmental Protection Agency Enforcement Staff |
| <u>3</u> / Pennsylvania OCA | 36/ Kentucky Attorney General |
| 4/ Florida Office of Public Advocate | 37/ North Dakota Public Service Commission |
| <u>5</u> / Toms River Fire Commissioner's | 38/ Kansas Industrial Group |
| 6/ Iowa Office of Consumer Advocate | 39/ City of Witchita |
| 7/ D.C. People's Counsel | 40/ Kansas Citizens' Utility Rate Board |
| 8/ Maryland's People's Counsel | 41/ NIPSCO Industrial Group |
| 9/ Idaho Public Service Commission | 42/ Hawaii Division of Consumer Advocacy |
| 10/ Western Burglar and Fire Alarm | 43/ Nevada Bureau of Consumer Protection |
| 11/ U.S. Dept. of Defense | 44/ GCI |
| 12/ N.M. State Corporation Comm. | 45/ Wisc. Citizens' Utility Rate Board |
| 13/ City of Philadelphia | 46/ Vermont Department of Public Service |
| 14/ Resorts International | 47/ Oklahoma Corporation Commission |
| 15/ Woodlake Condominium Association | 48/ National Assn. of State Utility Consumer Advocates |
| 16/ Illinois Attorney General | 49/ Nova Scotia Utility and Review Board |
| 17/ Mass Coalition of Municipalities | 50/ Florida Office of Public Counsel |
| 18/ U.S. Department of Energy | 51/ Maryland Public Service Commission |
| 19/ Arizona Electric Power Corp. | <u>52</u> / MCI |
| 20/ Kansas Corporation Commission | 53/ Transmission Agency of Northern California |
| 21/ Public Service Comm. – Nevada | 54/ Florida Industrial Power Users Group |
| 22/ SC Dept. of Consumer Affairs | 55/ Sierra Club |
| 23/ Georgia Public Service Comm. | 56/ Our Children's Earth Foundation |
| 24/ Delaware Public Service Comm. | 57/ National Parks Conservation Association, Inc. |
| 25/ Conn. Ofc. Of Consumer Counsel | 58/ Missouri Office of the Public Counsel |
| 26/ Arizona Corp. Commission | 59/ The Utility Reform Network |
| 27/ AT&T | 60/ Colorado Office of Consumer Counsel |
| 28/ AT&T/MCI | 61/ MD State Senator Paul G. Pinsky |
| 29/ IN Office of Utility Consumer | 62/ MD Speaker of the House Michael Busch |
| Counselor | |
| 30/ Unitel (AT&T – Canada) | 63/ Washington Office of Public Counsel |
| 31/ Public Interest Advocacy Centre | 64/ Industrial Customers of Northwestern Utilities |
| 32/ U.S. General Services Administration | 65/ Steering Committee of Cities |
| 33/ Michigan Attorney General | 66/ City of Chattanooga |
| | <u>-</u> |