

1 clientele is illustrated below.

2 **REGULATORY COMMISSIONS**

3
4 Alabama Public Service Commission—Public Staff for Utility Consumer Protection
5 Alaska Public Utilities Commission
6 Arizona Corporation Commission
7 Arkansas Public Service Commission
8 Connecticut Department of Public Utility Control
9 District of Columbia Public Service Commission
10 Idaho Public Utilities Commission
11 Idaho State Tax Commission
12 Iowa Department of Revenue and Finance
13 Kansas State Corporation Commission
14 Maine Public Utilities Commission
15 Minnesota Department of Public Service
16 Missouri Public Service Commission
17 National Association of State Utility Consumer Advocates
18 Nevada Public Service Commission
19 New Hampshire Public Utilities Commission
20 North Carolina Utilities Commission—Public Staff
21 Oklahoma Corporation Commission
22 Ontario Ministry of Culture and Communications
23 Staff of the Delaware Public Service Commission
24 Staff of the Georgia Public Service Commission
25 Texas Public Utilities Commission
26 Virginia State Corporation Commission
27 Washington Utilities and Transportation Commission
28 West Virginia Public Service Commission—Division of Consumer Advocate
29 Wisconsin Public Service Commission
30 Wyoming Public Service Commission

31
32 **PUBLIC COUNSELS**

33
34 Arizona Residential Utility Consumers Office
35 Colorado Office of Consumer Counsel
36 Colorado Office of Consumer Services
37 Connecticut Consumer Counsel
38 District of Columbia Office of People's Counsel
39 Florida Public Counsel
40 Georgia Consumers' Utility Counsel
41 Hawaii Division of Consumer Advocacy
42 Illinois Small Business Utility Advocate Office
43 Indiana Office of the Utility Consumer Counselor
44 Iowa Consumer Advocate
45 Maryland Office of People's Counsel
46 Minnesota Office of Consumer Services
47 Missouri Public Counsel
48 New Hampshire Consumer Counsel

1 Ohio Consumer Counsel
2 Pennsylvania Office of Consumer Advocate
3 Utah Department of Business Regulation—Committee of Consumer Services
4

5 **ATTORNEYS GENERAL**
6

7 Arkansas Attorney General
8 Florida Attorney General—Antitrust Division
9 Idaho Attorney General
10 Kentucky Attorney General
11 Michigan Attorney General
12 Minnesota Attorney General
13 Nevada Attorney General's Office of Advocate for Customers of Public Utilities
14 South Carolina Attorney General
15 Utah Attorney General
16 Virginia Attorney General
17 Washington Attorney General
18

19 **LOCAL GOVERNMENTS**
20

21 City of Austin, TX
22 City of Corpus Christi, TX
23 City of Dallas, TX
24 City of El Paso, TX
25 City of Galveston, TX
26 City of Norfolk, VA
27 City of Phoenix, AZ
28 City of Richmond, VA
29 City of San Antonio, TX
30 City of Tucson, AZ
31 County of Augusta, VA
32 County of Henrico, VA
33 County of York, VA
34 Town of Ashland, VA
35
36 Town of Blacksburg, VA
37 Town of Pecos City, TX
38

39 **OTHER GOVERNMENT AGENCIES**
40

41 Canada—Department of Communications
42 Hillsborough County Property Appraiser
43 Provincial Governments of Canada
44 Sarasota County Property Appraiser
45 State of Florida—Department of General Services
46 United States Department of Justice—Antitrust Division
47 Utah State Tax Commission
48

1 **REGULATED FIRMS**

2
3 Alabama Power Company
4 Americall LDC, Inc.
5 BC Rail
6 CommuniGroup
7 Florida Association of Concerned Telephone Companies, Inc.
8 LDDS Communications, Inc.
9 Louisiana/Mississippi Resellers Association
10 Madison County Telephone Company
11 Montana Power Company
12 Mountain View Telephone Company
13 Nevada Power Company
14 Network I, Inc.
15 North Carolina Long Distance Association
16 Northern Lights Public Utility
17 Otter Tail Power Company
18 Pan-Alberta Gas, Ltd.
19 Resort Village Utility, Inc.
20 South Carolina Long Distance Association
21 Stanton Telephone
22 Teleconnect Company
23 Tennessee Resellers' Association
24 Westel Telecommunications
25 Yelcot Telephone Company, Inc.

26
27 **OTHER PRIVATE ORGANIZATIONS**

28
29 Arizona Center for Law in the Public Interest
30 Black United Fund of New Jersey
31 Casco Bank and Trust
32 Coalition of Boise Water Customers
33 Colorado Energy Advocacy Office
34 East Maine Medical Center
35 Georgia Legal Services Program
36 Harris Corporation
37 Helca Mining Company
38 Idaho Small Timber Companies
39 Independent Energy Producers of Idaho
40 Interstate Securities Corporation
41 J.R. Simplot Company
42 Merrill Trust Company
43 MICRON Semiconductor, Inc.
44 Native American Rights Fund
45 PenBay Memorial Hospital
46 Rosebud Enterprises, Inc.
47 Skokomish Indian Tribe
48 State Farm Insurance Company
49 Twin Falls Canal Company

Prior Experience

Q. Before becoming a consultant, what was your employment experience?

A. From August 1975 to September 1977, I held the position of Senior Utility Analyst with Office of Public Counsel in Florida. From September 1974 until August 1975, I held the position of Economic Analyst with the same office. Prior to that time, I was employed by the law firm of Holland and Knight as a corporate legal assistant.

Q. In how many formal utility regulatory proceedings have you been involved?

A. As a result of my experience with the Florida Public Counsel and my work as a consulting economist, I have been actively involved in approximately 400 different formal regulatory proceedings concerning electric, telephone, natural gas, railroad, and water and sewer utilities.

Q. Have you done any independent research and analysis in the field of regulatory economics?

A. Yes, I have undertaken extensive research and analysis of various aspects of utility regulation. Many of the resulting reports were prepared for the internal use of the Florida Public Counsel. Others were prepared for use by the staff of the Florida Legislature and for submission to the Arizona Corporation Commission, the Florida Public Service Commission, the Canadian Department of Communications, and the Provincial Governments of Canada, among others. In addition, as I already mentioned, my Master's thesis concerned the theory of the regulated firm.

1 Q. Have you testified previously as an expert witness in the area of public utility
2 regulation?

3 A. Yes. I have provided expert testimony on more than 250 occasions in proceedings
4 before state courts, federal courts, and regulatory commissions throughout the United States and in
5 Canada. I have presented or have pending expert testimony before 35 state commissions, the
6 Interstate Commerce Commission, the Federal Communications Commission, the District of
7 Columbia Public Service Commission, the Alberta, Canada Public Utilities Board, and the Ontario
8 Ministry of Culture and Communication.

9 Q. What types of companies have you analyzed?

10 A. My work has involved more than 425 different telephone companies, covering the
11 entire spectrum from AT&T Communications to Stanton Telephone, and more than 55 different
12 electric utilities ranging in size from Texas Utilities Company to Savannah Electric and Power
13 Company. I have also analyzed more than 30 other regulated firms, including water, sewer, natural
14 gas, and railroad companies.

15 **Teaching and Publications**

16 Q. Have you ever lectured on the subject of regulatory economics?

17 A. Yes, I have lectured to undergraduate classes in economics at Florida State University
18 on various subjects related to public utility regulation and economic theory. I have also addressed
19 conferences and seminars sponsored by such institutions as the National Association of Regulatory
20 Utility Commissioners (NARUC), the Marquette University College of Business Administration,
21 the Utah Division of Public Utilities and the University of Utah, the Competitive

1 Telecommunications Association (COMPTEL), the International Association of Assessing Officers
2 (IAAO), the Michigan State University Institute of Public Utilities, the National Association of State
3 Utility Consumer Advocates (NASUCA), the Rural Electrification Administration (REA), North
4 Carolina State University, and the National Society of Rate of Return Analysts.

5 Q. Have you published any articles concerning public utility regulation?

6 A. Yes, I have authored or co-authored the following articles and comments:

7
8 “Attrition: A Problem for Public Utilities—Comment.” *Public Utilities Fortnightly*, March
9 2, 1978, pp. 32-33.

10
11 “The Attrition Problem: Underlying Causes and Regulatory Solutions.” *Public Utilities*
12 *Fortnightly*, March 2, 1978, pp. 17-20.

13
14 “The Dilemma in Mixing Competition with Regulation.” *Public Utilities Fortnightly*,
15 February 15, 1979, pp. 15-19.

16
17 “Cost Allocations: Limits, Problems, and Alternatives.” *Public Utilities Fortnightly*,
18 December 4, 1980, pp. 33-36.

19
20 “AT&T is Wrong.” *The New York Times*, February 13, 1982, p. 19.

21
22 “Deregulation and Divestiture in a Changing Telecommunications Industry,” with Sharon
23 D. Thomas. *Public Utilities Fortnightly*, October 14, 1982, pp. 17-22.

24
25 “Is the Debt-Equity Spread Always Positive?” *Public Utilities Fortnightly*, November 25,
26 1982, pp. 7-8.

27
28 “Working Capital: An Evaluation of Alternative Approaches.” *Electric Rate-Making*,
29 December 1982/January 1983, pp. 36-39.

30
31 “The Staggers Rail Act of 1980: Deregulation Gone Awry,” with Sharon D. Thomas. *West*
32 *Virginia Law Review*, Coal Issue 1983, pp. 725-738.

33
34 “Bypassing the FCC: An Alternative Approach to Access Charges.” *Public Utilities*
35 *Fortnightly*, March 7, 1985, pp. 18-23.

1 “On the Results of the Telephone Network's Demise—Comment,” with Sharon D. Thomas.
2 *Public Utilities Fortnightly*, May 1, 1986, pp. 6-7.

3
4 “Universal Local Access Service Tariffs: An Alternative Approach to Access Charges.” In
5 *Public Utility Regulation in an Environment of Change*, edited by Patrick C. Mann and Harry
6 M. Trebing, pp. 63-75. Proceedings of the Institute of Public Utilities Seventeenth Annual
7 Conference. East Lansing, Michigan: Michigan State University Public Utilities Institute,
8 1987.

9
10 With E. Ray Canterbury. Review of *The Economics of Telecommunications: Theory and*
11 *Policy* by John T. Wenders. *Southern Economic Journal* 54.2 (October 1987).

12
13 “The Marginal Costs of Subscriber Loops,” A Paper Published in the Proceedings of the
14 Symposia on Marginal Cost Techniques for Telephone Services. The National Regulatory
15 Research Institute, July 15-19, 1990 and August 12-16, 1990.

16
17 With E. Ray Canterbury and Don Reading. “Cost Savings from Nuclear Regulatory Reform:
18 An Econometric Model.” *Southern Economic Journal*, January 1996.

19
20 **Professional Memberships**

21 Q. Do you belong to any professional societies?

22 A. Yes. I am a member of the American Economic Association.

23