

Controller of General Telephone Companies of Indiana and Michigan and Vice President-Revenue Requirements of General Telephone Company of the Midwest. Mr. Schoonmaker also has served as Vice President-Finance for Fidelity and Bourbeuse Telephone Companies, independent telephone companies headquartered in Sullivan, Missouri. He has been associated with GVNW for twelve of the past thirteen years.

Mr. Schoonmaker is the father of eleven children and active in church and community activities.

Donn T. Wonnell
Vice President, Regulatory Affairs
& Secretary



805 Broadw.
Post Office Box 99C
Vancouver, Washingh
98668-87C

360 905-737

Donn T. Wonnell is Vice President, Regulatory Affairs & Secretary for Pacific Telecom, Inc., in Vancouver, Washington, where he directs the company's legal, regulatory, and legislative affairs. PTI is the seventh largest independent telephone and telecommunications company in the country, with gross revenues in 1996 of \$600 million. Pacific Telecom serves approximately 600,000 access lines in eleven states, which are predominantly rural in character, and also provides cellular telephone service throughout the upper Midwest.

Mr. Wonnell has worked in the telecommunications industry for twenty years. He served as Chairman of USTA's Mid-Size Company Committee (1995-1996) and currently represents PTI in the Independent Telephone & Telecommunications Alliance. Mr. Wonnell has appeared before the U.S. Senate Commerce Committee and the Federal-State Joint Board (CC Docket No. 96-45) to testify on matters relating to rural telecommunications service. Prior to joining PTI, he served as President of the Telecommunications & Energy Division of CP National Corporation in San Francisco, California, and, earlier, as Vice President & General Counsel of RCA Alaska Communications in Anchorage, Alaska. He is a graduate of the College of William and Mary in Virginia (BA) and of the University of Pennsylvania School of Law (JD). He has been admitted to practice before the bars of Alaska, California, Pennsylvania, and the District of Columbia.

Donn T. Wonnell

Papers/Presentations:

"Telecommunications Deregulation To Date: How Far, How Good?," Meeting of the Pennsylvania Telephone Association, Philadelphia, PA (October, 1997)

"The Fundamental Debate on Separations" and "Directions for Separations Policies," Wisconsin Public Utility Institute, University of Wisconsin - Madison, Madison, WI (August, 1997)

"Universal Service Contributions and Support Programs," Universal Service/Access Reform Conference, Bowie State University, Bowie, MD (May, 1997)

"Essential Universal Service: An Outline," Washington Independent Telephone Association Annual Meeting, Ocean Shores, WA (May, 1997)

"Implementation of the Telecommunications Act of 1996," Oversight Hearings Testimony Before the Subcommittee on Communications, Committee on Commerce, Science, and Transportation, United States Senate, Washington, D.C. (March, 1997)

"Lessons Learned in Restructuring," The Energy Council, Washington, D.C. (March, 1997)

"The Interrelationship Between Access Charge Reform and Universal Service," NARUC Communications Committee, NARUC Winter Meeting, Washington, D.C. (February, 1997)

"Rate Rebalancing for Universal Service," Commercial seminar conducted by AIC, Inc., Telecommunications Issues Conference, Washington, D.C. (February, 1997)

"PCS: Going Where No Wireline Has Gone Before," USTA Annual Meeting Workshop, Atlanta, GA (October, 1996)

"Rural Universal Service," Competitive Policy Institute: Universal Service Workshop, Washington, D.C. (September, 1996)

"Recovery of Interstate Loop Costs," Testimony Before the Federal-State Joint Board, FCC CC Docket No. 96-45, Washington, D.C. (September, 1996)

"Service Providers and Deregulation", Commercial seminar conducted by ICM, Inc., Telecommunications Issues Conference, Chicago, IL (July, 1996)

"Market or Mandate: Telephone Customers' Needs in a Competitive Era," Universal Service Forum, Washington Utilities and Transportation Commission, Seattle, WA (April, 1996)

"Federal Telecommunications Act of 1996 - Opportunities and Concerns," Public Policy Forum, University of Wisconsin, Madison, WI (March, 1996)

"The Telecommunications Act of 1996", Joint Session of the Washington and Oregon Independent Telephone Associations, Kelso, WA (March, 1996)

"Rural Telecommunications Issues," Governor's Telecommunications Policy Coordination Task Force, Olympia, WA (July, 1995)

"Preserving Universal Service," National Association of State Utility Consumer Advocates, Washington, D.C. (May, 1995)



OFFICE OF CHIEF COUNSEL FOR ADVOCACY

U.S. SMALL BUSINESS ADMINISTRATION
WASHINGTON, D.C. 20416

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OCT 15 1997

FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF THE SECRETARY

October 15, 1997

Mr. William F. Caton
Secretary
Federal Communications Commission
1919 M Street, NW Suite 222
Washington, DC 20554

RE: Nominations for the Federal-State Joint Board on Universal Service
Rural Task Force, CC Dkt. No. 96-45

Dear Mr. Caton:

The Office of Advocacy of the United States Small Business Administration (SBA) hereby submits nominations for the Federal-State Joint Board on Universal Service Rural Task Force (RTF).¹ The Office of Advocacy was established by Congress in 1976 under Pub. L. No. 94-305 to represent the views of small business before federal agencies and Congress. Advocacy's statutory duties include, *inter alia*, serving as a focal point for concerns regarding the government's policies as they affect small business; measuring the direct costs and other effects of government regulation on small business; and developing proposals for changes in federal agencies' policies and communicating these proposals to the agencies. 15 U.S.C. §§ 634b, 634c(1)-(4).

The Office of Advocacy nominates Betty Jo Toccoli, President of the Small Business Coalition for Fair Utility Deregulation (Coalition) for Category 3 "Consumer Advocate" or Category 7 "Other Non-ILEC Participants."² Ms. Toccoli, a founding member of the Coalition, is an entrepreneur and a nationally renowned small business advocate who has served as the Chair of the Southern California delegation to the 1995 White House Conference on Small Business and is currently Regional Implementation Chair for Region IX, WHCSB. Ms. Toccoli is also the President of the California Small Business Association, which has 187,000 members located in urban, rural, and suburban areas. Moreover, Ms. Toccoli has been very active in the FCC's Universal Service proceeding and is well acquainted with the economic and policy

¹ FCC Public Notice, *Federal State Joint Board on Universal Service Announces the Creation of a Rural Task Force: Solicits Nominations for Members on Rural Task Force*, CC Dkt. No. 96-45, FCC 97J-1 (rel. Sept. 18, 1997) [FCC Public Notice].

² The Coalition is a new national, bi-partisan, non-profit organization formed to ensure fair treatment of small businesses in telecommunications, electric, and gas utility regulations. The Coalition networks with other organizations, individuals, and trade associations in the small business community to assemble and deliver information on how utility deregulation impacts on small business. In addition, the Coalition serves as an advocate in the legislative and regulatory arenas at both the state and federal government levels.

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Mr. William F. Caton
October 15, 1997
Page 2

concerns of a local exchange network, in addition to the impact of universal service reform on small business.

The Office of Advocacy also supports the Small Business Coalition for Fair Utility Deregulation's nominations of Andres (Andy) Lagueruela and Gwen Moore. Ms. Moore and Mr. Lagueruela have extensive experience in the telecommunications industry and are also very knowledgeable about the engineering, economic, and policy concerns of the local exchange network.

The importance and need for small business representation on the RTF is three-fold. First, small businesses are "consumers" of telecommunications and information services. Therefore, the statutory mandate that "[c]onsumers in all regions of the Nation, including . . . those in rural, insular, and high cost areas, should have access to telecommunications and information services . . . that are reasonably comparable to those services provided in urban areas and that are available at rates that are reasonably comparable to rates charged for similar services in urban areas" also applies to small businesses. 47 U.S.C. § 254(b)(3) emphasis added.

Universal service reform has a direct and an indirect impact on a small business in rural and high cost areas. The direct impact is in a small business' use of multiple telephone lines³ and the increasing application of telecommunications and information services in the operation of small businesses. The indirect impact is caused by changes in the cost of residential service, which affects the overall rural economy because it is an influence on the available spendable income of a small business' customers.

Second, the majority of businesses in the country are small businesses with annual gross revenues under \$5.0 million dollars, 94.9% of 4, 677,075 firms.⁴ Significantly, these firms only garner 17.1% of total business receipts,⁵ yet they pay a disproportionate share of the cost of the local loop. Although exact numbers on the number of small businesses located in rural, insular, high cost areas are not available, we are confident that mostly all the businesses in such areas are small, numbering in the tens of thousands, and will be economically impacted by the Joint-Board's recommendations.

³ FCC Press Release, *Commission Reforms Interstate Access Charge System*, CC Dkt. No. 96-262, Rpt. No. 97-23 (small business chart citing results from PNR Associations study), see also *Exparte* Comments of the Office of Advocacy, SBA, Apr. 4, 1997 at 2-3 (citing CSBA Telephone Use Poll).

⁴ *Exparte* Comments of the Office of Advocacy, at 11 (citing U.S. Census Bureau Data).

⁵ *Id.*

Mr. William F. Caton

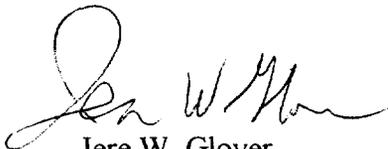
October 15, 1997

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Finally, any notice and comment rulemaking as a result of the Joint Board and FCC's implementation of Section 254 of the Telecommunications Act of 1996 is subject to the requirements of the Regulatory Flexibility Act, as amended by the Small Business Regulatory Enforcement Fairness Act of 1996. 15 U.S.C. § 601. The RFA requires that the FCC complete an analysis on the significant economic impact of its regulations on a substantial number of small entities. 5 U.S.C. § 601 *et seq.* Furthermore, the RFA requires that small businesses have an opportunity to participate in the rulemaking. 5 U.S.C. § 609. The FCC's compliance with these provisions of the RFA are also judicially reviewable. 5 U.S.C. § 611.

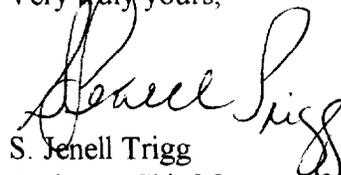
There is no better way to identify and take into consideration the economic impact of the Joint Board's recommendation on small businesses than by having small business representatives - both small business telecommunications providers and small businesses consumers - serving on the RTF. Inclusion of small business consumer representatives will help ensure that the Task Force is well-balanced in its representation of a "variety of economic, social, and geographic interests."⁶

The Office of Advocacy appreciates the Joint Board's consideration of the nominations of Ms. Toccoli, Ms. Moore, and Mr. Laguera. If there are additional questions or comments regarding our nominations, please do not hesitate to call S. Jenell Trigg at 202-205-6533.



Jere W. Glover
Chief Counsel for Advocacy

Very truly yours,



S. Jenell Trigg
Assistant Chief Counsel for
Telecommunications

cc: Attached Service List

⁶ FCC Public Notice, at 2.

BETTY JO TOCCOLI SUMMARY

A corporate leader in sales and management development for large and small companies, Betty Jo Toccoli is nationally recognized in the corporate and financial services industry. Her company, Total One Development Centers provides sales systems, human resource development and strategic planning programs throughout the nation in both the private and public sectors.

Before forming her own business, Mrs. Toccoli was Vice President of Sales in the Diversified Companies Division of a Fortune 100 company. She also served as administrator to the U.S. Bureau of Indian Affairs. Mrs. Toccoli is extremely active in community and professional organizations. Her involvements include:

- President, California Small Business Association
- Regional Implementation Chair, Region IX, White House conference on Small Business Past Chair, So. California Delegation, 1995 White House Conference on Small Business
- Former Member, Pacific Bell MWBE Advisory Committee
- Executive Committee Member, California Community Colleges Economic Development Network (ED>Net)
- Past President, National Small Business United
- Past President, Los Angeles Chapter, Los Angeles Chapter, National Association of Women Business Owners (NAWBO); Past National Chair, Blue Ribbon Corporate Relations Committee and national Board of Directors
- Chair, Curriculum Board, State of California Department of Insurance; Past Chair, State of California Department of Insurance Consumer and Advisory Panel
- Board Member, Electric Consumers' Alliance
- Past Chair, Regional Advisory Council, U.S. Small Business Administration
- Recipient of "Small Business of the Year" award from Los Angeles Chamber of Commerce



SMALL BUSINESS COALITION FOR FAIR UTILITY DEREGULATION

FAIR

The Small Business Coalition for Utility Deregulation is a national, bi-partisan, non-profit organization formed to ensure fair treatment of small businesses in utility deregulation. The purpose of the organization is:

- 1) Advocacy at the federal level on behalf of small business interests in utility deregulation ;
- 2) Provision of accurate information/education to small businesses so they can make informed choices and decisions regarding utility restructuring; and
- 3) Resource for state small business organizations to protect and enhance the small business environment in utility deregulation.

We currently have two areas of advocacy:

- 1) Ensuring that state rights are not preempted by federal mandates
- 2) Advocacy for designated small business classes of service (versus solely residential and business)

Our Structure:

A small board of directors representing regions across the country. Each regional leader will be responsible for leveraging resources by:

- ▶ **Building the network through personal contacts in the small business community;**
- ▶ **Outreach and presentations to small business organizations across the region; and,**
- ▶ **Identification of key volunteers for national advocacy roles.**

A Washington office to coordinate the Coalition by gathering and sharing information. Timely -- and accurate -- communications is a key part of our approach and responsibility for it will rest with the Washington office.

A commitment to provide funding for the travel and meeting expenses of volunteers.

Selective, and prudent, use of consultants to ensure accurate information and clear understanding of the complex issues associated with deregulation.



GeM Communications Group

Legislative and Governmental Affairs •
Public and Community Relations •
Regulatory Representation •
Campaign Management •

Gwen Moore
President

GWEN MOORE
President
GeM Communications Group

Associates

Joy Atkinson
Gregory Cook
Gayle Greenwood
Malcha Hazzard, Ph.D.
William Julian, II, Esq.

As Founder and Chief Executive Officer of GeM Communications Group, Ms.

Moore is the primary consultant, working with clients to develop and implement public affairs and legislative strategies and community outreach programs. Drawing on her vast experience as a legislator in the California State Assembly, Ms. Moore can develop grassroots lobbying efforts, advise clients on legislative and regulatory issues to frame a response and offer solutions. She is able to formulate public affairs programs for clients with political, cultural, and charitable agendas.

Prior to founding GeM Communications Group, Ms. Moore distinguished herself as a member of the California Assembly for 16 productive years: 1978-1994. She served as Majority Whip and gained a national reputation as Chair of the prestigious Assembly Utilities and Commerce Committee which had jurisdiction over the California cable television industry, emerging business enterprises, international trade and tourism, California ports, trucking issues, and all investor-owned utilities including water, telecommunications, and energy.

During her tenure in office, she was a member of every major Assembly committee: Revenue and Taxation, Finance and Insurance, Education, Governmental Organization, and Higher Education, Public Employees and Retirement, Health, Public Safety, Government Efficiency and Consumer Affairs, and Housing.

As an Assemblywoman, Gwen Moore developed legislative and political strategies on a variety of issues encompassing taxation and international trade, consumer affairs, and business and labor issues.

GWEN MOORE

- 2 -

Ms. Moore was active with the National Conference of State Legislatures (NCSL), serving as both Chair of the State-Federal Assembly and the Assembly on the Legislature -- the two major components of NCSL. Ms. Moore also chaired the NCSL National Committee on Telecommunications and Transportation and served as chair of the National Trade Association of State Legislators.

Because of her national stature, gained as the author of landmark legislation, she has testified before Congress regarding telecommunications, utilities, transportation, and business issues. As chair of the State Federal Assembly, she lobbied Congress on behalf of NCSL, representing the rights of states across this country.

Her reputation as a problem solver and coalition builder has led to her appointments on numerous committees, and commissions. One important appointment has been to membership on the Commission on California State Government Organization and Economy, the "Little Hoover" Commission.

Ms. Moore was an active member of the National Black Caucus of State Legislators, serving on the National Executive Board and as Chair of the Western Region.

Prior to her election to public office, Ms. Moore was the Director of Public Affairs and Director of Personnel with a community action agency in Los Angeles -- one of the largest in the nation. She also taught at the community college level which led her to her first elected public office in 1975 as a member of the Los Angeles Community College District Board of Trustees.

In addition to her extensive work as a legislator and advocate for the people of California, Ms. Moore is the Founder and President of the Community Education Organization, a community service foundation which offers extensive after school programs for "latch-key" youth in Los Angeles.

Gwen Moore's dedication, diligence, and commitment to finding solutions have brought honors and awards from diverse arenas: U.S. Department of Commerce, NAACP Legal Defense Fund, Professional Communication Association, California Independent Gas Producers' Association, California Trucking Association, California Hunger Action Coalition, and the South Coast Air Quality Management District.

ANDRES H. LAGUERUELA

3817 W. Songbird Ln.
San Antonio, TX 78229
Home: (210) 342-1945
Work: (210) 614-7000
Fax: (210) 614-7574

Andres H. Lagueruela, an engineer, was born in New York, NY. He spent his formative years in Cuba and is bilingual and bicultural. He has particular expertise in telecommunications and business management.

In 1980, Lagueruela founded one of the first two companies to offer nationwide telecommunications services after the federal courts allowed long distance competition. As chief executive officer of the national public company, he managed 500 employees in 26 states. Sotelco grew from inception and was ranked as "5th Fastest Growing Small Public Company of the Year" by *Inc.* Magazine in 1984. Net sales reached \$60 Million in 1984.

During these years, Lagueruela was a registered Washington lobbyist representing telecommunications companies as Chairman of the Association of Long Distance Telephone Companies. He is familiar with Congressional and Legislative matters in the telecommunications and deregulations fields.

Lagueruela has launched several local and national initiatives successfully. Former San Antonio Mayor Henry Cisneros (former Secretary of HUD) named Lagueruela to head the Teleport Task Force in 1983. Lagueruela spearheaded this national initiative to enhance San Antonio's future economic growth by attracting national voice and data carriers to build a state of the art communications infrastructure. Over the past decade this dream has become a reality. San Antonio now boasts telephone marketers, customer service centers, credit card centers and other heavy users of voice and data transmission as major employers in the area.

Lagueruela's business expertise encompasses international trade, operating a port terminal; bonded warehousing and distribution center, operating an intermodal facility and negotiating public sector/private sector agreements. Lagueruela has operated a U.S. Customs Brokerage House and was the past 1993, 1994 operator of Foreign Trade Zone #124. He has created and managed food and chemical facilities in the U.S. and internationally.

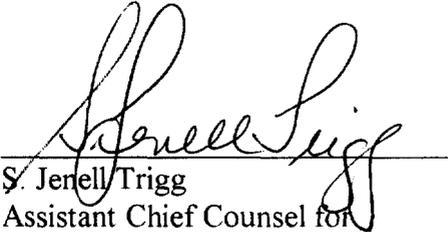
Lagueruela attended the University of Miami Florida. His diverse business background allows him to bring innovative ideas to impact in complex marketing/business decisions.

Honors include:

- ▶ **Chairman, Mayor's Teleport Task force (San Antonio, 1983)**
- ▶ **SBA Small Business of the Year Award (1984)**
- ▶ **DOD Value Engineering Award (1990)**
- ▶ **DOD Desert Storm Commendation (1991)**
- ▶ **Chair, Procurement, Texas Delegation, White House Conference on Small Business (1995)**
- ▶ **Chair Procurement, Region VI, White House Conference of Small Business (1997)**

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that on October 15, 1997, a copy of the Office of Advocacy, U.S. Small Business Administration's Nominations for the Federal-State Joint-Board on Universal Service Rural Task Force was delivered, by first-class mail postage pre-paid to the persons on the attached Service List.


S. Jerell Trigg
Assistant Chief Counsel for
Telecommunications

Office of Advocacy
U.S. Small Business Administration
409 Third Street, SW
Washington, DC 20554

Appendix -- Service List

The Honorable Julia Johnson, State Chair
Chairman
Florida Public Service Commission
2540 Shumard Oak Blvd.
Gerald Gunter Building
Tallahassee, FL 32399-0850

Sheryl Todd (plus 8 copies)
Federal Communications Commission
Accounting and Audits Division
Universal Service Branch
2100 M Street, N.W., Room 8611
Washington, D.C. 20554

The Honorable David Baker
Commissioner
Georgia Public Service Commission
244 Washington Street, S.W.
Atlanta, GA 30334-5701

Rowland Curry
Texas Public Utility Commission
1701 North Congress Avenue
P.O. Box 13326
Austin, TX 78701

The Honorable Laska Schoenfelder
Commissioner
South Dakota Public Utilities Commission
State Capitol, 500 East Capitol Street
Pierre, SD 57501-5070

Ann Dean
Maryland Public Service Commission
16th Floor, 6 Paul Street
Baltimore, MD 21202-6806

The Honorable Martha S. Hogerty
Public Counsel
Missouri Office of Public Counsel
301 West High Street, Suite 250
P.O. Box 7800
Jefferson City, MO 65102

Charles Bolle
South Dakota Public Utilities Commission
State Capitol, 500 East Capitol Street
Pierre, SD 57501-5070

Bridget Duff, State Staff Chair
Florida Public Service Commission
2450 Shumard Oak Blvd.
Tallahassee, FL 32399-0866

Phillip F. McClelland
Pennsylvania Office of Consumer Advocate
1425 Strawberry Square
Harrisburg, PA 17120

Tiane Sommer
Georgia Public Service Commission
244 Washington Street, S.W.
Atlanta, GA 30334-5701



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WESTERN RURAL TELEPHONE ASSOCIATION 555 University Ave, Ste 137 Sacramento, CA 95825
telephone: 916/641-1415 facsimile: 916/641-1420 www.wrta.org

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OCT 15 1997

October 15, 1997

FCC MAIL ROOM

The Honorable William Caton
Secretary
Federal Communications Commission
1919 M Street, N.W.
Washington, D.C. 20554

Dear Secretary Caton:

Consistent with the Federal Communications Commission Order (CC Dockets No. 96-45), the Joint Board recently announced the formation of the Rural Task Force (RTF) on Universal Service. Specifically, the RTF is designed to "provide valuable assistance in identifying the issues unique to rural carriers and analyzing the appropriateness of proxy cost models for rural carriers." In this regard, the Western Rural Telephone Association (WRTA) wishes to nominate the following individuals to serve on the Rural Task Force as Category 1 ILEC representatives: Ms. Evelyn Jerden, Western New Mexico Telephone Company, Silver City, NM; Dr. Steven Sanders, Northern Arkansas Telephone Company, Flippin, AR; and Mr. Jim Woody, Union Telephone Company, Mountain View, WY. In addition, WRTA wishes to nominate Mr. Jack Rhyner, TelAlaska, Inc., Anchorage, AK to serve as the Category 5 insular area/Alaska representative.

It is our belief that these individuals would provide significant insight in the formulation of the Further Notice of Proposed Rulemaking on a forward-looking economic cost mechanism for rural carriers, scheduled to occur by October 1998. All of our nominees meet the prerequisites to serve as ILEC and insular area representatives including their ability to assume financial responsibility for their expenses related to serving on the RTF. Enclosed, you will find copies of each of our nominees' credentials for your consideration.

As WRTA is comprised of approximately 150 small, independent, rural local telephone companies and cooperatives dispersed throughout the western United States, the strength and viability of our national universal service mechanism is of paramount importance to our association's membership. We strongly urge you to consider the candidacies of the above stated individuals when selecting the Rural Task Force. Ultimately, the RTF recommendations to be submitted to the Joint Board will be critical in the overall reform of the cost-recovery mechanism.

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Rural Task Force
Page 2

We deeply appreciate your commitment and hard work on behalf of our national telecommunications infrastructure. Thank you for your time and consideration of this significant matter of interest.

Sincerely,

A handwritten signature in black ink, appearing to read "S. J. Maselli". The signature is written in a cursive style with a large initial "S" and "M".

Sam J. Maselli
Executive Vice President

Enclosure

cc:

Members of the Joint Board (Service List -- Appendix of Public Notice)

Ms. Astrid Carlson, Federal Communications Commission

RURAL TASK FORCE NOMINEE PROFESSIONAL QUALIFICATIONS

NOMINEE: Evelyn C. Jerden
Director - Revenue Requirements

NOMINEE COMPANY: Western New Mexico Telephone Company, Inc.
314 West Yankee Street, Silver City, NM 88062
505-388-2546; 505-388-2540 FAX

NOMINEE ADDRESS: 4070 N. Circulo Manzanillo, Tucson, AZ 85750
520-577-9864; 520-577-9849 FAX; EJERDEN@worldnet.att.net

NOMINEE CATEGORY: Incumbent Local Exchange Carrier (ILEC) with less than \$40 Million Annual Operating Revenues.

EMPLOYMENT HISTORY: 1979 - 1992 Ernst & Young Telecommunications Consulting Group.
1992 - Current Western New Mexico Telephone Company, Inc.

PROFESSIONAL QUALIFICATIONS: Certified Public Accountant (CPA), Washington State since 1979. Bachelor of Business Administration, Pacific Lutheran University, Tacoma, Washington, May 1979. Subject Matter Expert in FCC Part 32, Uniform System of Accounts, Part 36, Jurisdictional Separations and Part 69, Access Charges.

RELATED INDUSTRY PARTICIPATION: Evelyn is an active member of the National Rural Telecom Association's Legislative Committee. She is also active in the New Mexico Exchange Carrier Group (NMECG). She co-chairs the NMECG USF Committee and is a member of the NMECG small company committee. Evelyn participates in the New Mexico Universal Service Fund (NMUSF) Task Force and is also a member of the United States Telephone Association's (USTA) Universal Service Work Group.

KNOWLEDGE OF POLICY ISSUES: As a member of the NMUSF Task Force, Evelyn is currently working on many of the relevant policy issues impacting rural companies. The NMUSF Task Force is comprised of ILECS, IXCs, CLECs, wireless, consumer advocates, commission staff and other representatives which will be very similar to the composition of the federal Rural Task Force. Evelyn's experience with the NMUSF Task Force should assist her in understanding the issues and complexities of each issue.

KNOWLEDGE OF RURAL ISSUES: As a consultant with Ernst & Young's Telecommunications Group for over 13 years, Evelyn worked on numerous projects for both large and small ILECs. She became knowledgeable about the different conditions under which small rural ILECs must operate versus large ILECs. Evelyn left E&Y in 1992 as a Senior Manager to become the Director of Revenue Requirements for Western New Mexico Telephone Company (Western). Since 1992, Evelyn has become even more intimately familiar with the operations of a small rural LEC, since Western serves approximately 6,100 access lines over 15,000 square miles with an average of approximately 1.5 access lines per route mile.

KNOWLEDGE OF ENGINEERING ISSUES: In the preparation of ILEC cost studies, Evelyn has had to become knowledgeable regarding the network. This includes understanding the various conditions which impact engineering, such as the length of the loop, or the cost break-even points between copper and fiber. She has also had experience with both large central office switches (e.g., Nortel DMS-100 with RSCs and RLCMs) and small switches (e.g., Nortel DMS-10).

KNOWLEDGE OF ECONOMICS: As a CPA, Evelyn has a technical financial background and understands several different costing methods including the importance of cost model input factors.

KNOWLEDGE OF SPECIAL CONCERNS: Evelyn understands some of the needs of special concern groups since Western provides service to Native Americans on the Alamo Navajo Indian Reservation.



Curriculum Vitae Steven Gill Sanders, Ph.D.

Date / Place of Birth: August 23, 1936, Chicago, Illinois
 Family: Nancy Wolf Sanders; Meghan, 23; Steven Jr., 26
 Current Personal Interests: Scuba (PADA Certification), Boating, Flying, Gardening
 Current Professional Interests: Network Design, Universal Service Issues, Telephone Economics, Data Communications

Education: B.S., 1954-1958, Massachusetts Institute of Technology
 Thesis: A Study of Hendered Rotations in BisMolybdenum Cyclopentadienal Carbonyl
 1960 - 1961, Rutgers University
 Ph.D., 1961-1965, University of South Carolina
 Thesis: Regularity Conditions in Relativistic Wave Mechanics

Special Courses: Certificate, 1977, George Washington University
 Modern Telecommunications Principles, Theory, and Techniques
 1977, George Washington University
 Transmission Characteristics of the Switched Telephone Network
 1979, Wilkes College
 Digital Communications
 1979, University of Wisconsin Extension
 Design of Fiber Optics, Communications System
 1980, National Engineering Consortium
 Modern Digital Telephone Systems
 1980, N.E.C.
 Telephone Digital Switching
 1981, U.S.I.T.A.
 Personnel Seminar
 1982, AT&T
 Measured Service Stakeholder Management Seminar
 1983, Xerox
 Professional Selling Skills II
 1983, Xerox

Page 2

1985, FAA
Private Pilot License

1986, Ernst & Whinney
Strategic Planning for Management

1986, TRA
Understanding Integrated Services Digital Network

1986, N.E.C.
Data & Special Feature Modules for the NEAX 2400 IMS

1987, N.E.C.
NEAX 2400 - IMG Database

1987, FAA
IFR Rating, Private Pilot License

1988, Ernst & Whinney
Incentives & Opportunities in the Telecommunications Industry

1990, Ernst & Young
Telecommunications Futures

1991, Ernst & Young
A Practical Approach to Incremental Cost of Service

1991, USTA
Introduction to Cost/Pricing Concepts (ICPC)

Experience: Summer, 1957, Chrysler Corporation, Highland Park, Michigan
Physics Research

1958-1961, Princeton University, Princeton, New Jersey
Research Associate, Princeton Plasma Physics Laboratory

1961-1964, University of South Carolina
N.D.E.A. Fellow

1964-1965, University of South Carolina
Instructor for *Mechanics, Electricity and Magnetism*

1965-1967, Southern Illinois University - Edwardsville
Assistant Professor

1967-1971, S.I.U. - Edwardsville
Chairman, Physics Faculty

1969-1975, S.I.U. - Edwardsville

Page 3

Summer, 1971, University of Colorado, National Center of Atmospheric Research
NSF Summer Fellow

1971-1972, Argonne National Laboratory
Resident Research Associate, Physics Division

1975-1979, S.I.U. - Edwardsville
Professor of Physics

1977-Present, Northern Arkansas Telephone Company, Flippin, Arkansas
President and General Manager

1981-1992, Nova Systems, Flippin, Arkansas
President and General Manager

Membership In Professional Organizations:

American Association of Physics Teachers
American Physical Society - Plasma Physics and Solid State Divisions
Institute of Electrical and Electronics Engineers (IEEE), Senior Member
IEEE - Society on Communications
Sigma XI, Little Rock Section

Professional Recognition:

Invited Papers: 1971 Illinois Section, American Association of Physics Teachers, October, 1971
Chicago Section, American Association of Physics Teachers, November, 1971

1974 American Association of Physics Teachers (Chicago, Illinois), February, 1974

1978 Annual Meeting of Rural Electrification Administration Field Representatives, August 9, Denver, Colorado, "Marketing Management - A Small Company Approach." (This paper was published in the proceedings of the Management Seminar Sessions of the REA Annual Meeting.)

1978 Annual Membership Meeting, Texas State-Wide Telephone Cooperative, Inc., October 26, San Antonio, Texas. "Marketing Management in a Small Telco."

1980 Ozark Section - Institute of Electrical and Electronics Engineers, Harrison, Arkansas. "Fiber Optics in Telecommunications."

1981 Ozark Section - Institute of Electrical and Electronics Engineers, Fayetteville, Arkansas, "You Too Need a Personal Computer."

Appointments:

Chairman, AAPT Committee on Regional Sections, 1971 and 1972
Sigma XI Regional Lecturer, 1974 and 1975 - (The Energy Crisis, Nuclear Fusion)
President - Illinois Section, American Association of Physics Teachers, 1974 and 1975
Consultant - Illinois Office of Education, 1970 - (Feasibility Study for the Teaching of Atomic Energy in Illinois Public School)
Consultant - NSF-AIP Community Technical Physics Curriculum Project, 1970-1973
Director - Illinois Science Teachers Association, 1975 and 1976
Second Vice President - Illinois Academy of Science, 1976
President - SUIE University Senate, 1976 and 1977

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- Member - Editorial Board for the Transactions of the Illinois Academy of Science, 1976 and 1977
- Recipient - Faculty Development Grant Proposal Title "Toward the Development of Teaching Effectiveness Through the Application to Piaget's Hypotheses".
- Science Evaluator - North Central Association
- Chairman - Session CC Annual Meeting of AAPT, February 6-10, 1977, Chicago, Illinois
- Chairman - Session H8 NSTA-STAM Joint International Science Educators' Conference, October 20-22, 1977, Winnipeg, Manitoba, Canada
- Secretary-Treasurer - Ozark Section, IEEE, 1981
- Vice Chairman - Ozark Section, IEEE, 1982
- Chairman - Ozark Section, IEEE, 1983
- Arkansas Area Chairman, IEEE, Region 5, 1982-1983

Biographical Listings:

- Who's Who in America
- Who's Who in the South and Southwest
- Who's Who in the World
- Who's Who in Technology Today
- American Men and Women of Science - Physics, Astronomy, Mathematics, Statistics, and Computer Science, 1977

Publications and Research:

- 1959 "Synchrotron Radiation from Runaway Electrons in the Stellarator", with R. Motley and C. Lustig, The Journal of Nuclear Energy, Part C: Plasma Physics, Volume 3, Number 1, page 17-21.
- 1966 "Regularity Conditions in Relativistic Wave Mechanics", Bulletin of the American Physical Society, Series II, Volume II, Number 3, April 1966, page 356.
- 1969 "An Inexpensive Fast Light Detector for Student Laboratories", with E. Porter and L. Labash, American Journal of Physics, Volume 37, Number 9, September 1969, page 76.
- 1970 "Science for the General Student", Toward a New Liberal Education, Southern Illinois University, page 76.
- 1972 "Approximate Models of Toroidal Cavities", with A. Hatch and J. Robinson, Proceedings of the First Topical Conference on R.F. Plasma Heating (Session #4).
- "A Magnetically Confined, Overdense, Bounded Plasma Source", with R. Peiper and G. Smith, Bulletin of the American Physical Society, Series II, Volume 17, Number 11, 1972, page 1018.
- 1973 "R.F. Coupling in an Overdense, Bounded Plasma Source", Series II, Volume 18, Number 10, October 1973, page 1296.

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- 1973 "Strategies for Developing Local Professional Groups of Precollege Physical Science Teachers", with F. Zurheide, AAPT Announcer, Volume III, Number 4, December 1973, page 29.
- "The Energy Crisis: A Physics Course on a Societal Problem", with R. Bruno, AAPT Announcer, Volume III, Number 4, December, 1973, page 34.
- 1974 "High Energy Estimation from Angular Distributions and Related Problems", H. Aly and A. Bussain, Il Nuovo Cimento, Volume 20A, Number 1, March 1974, page 85.
- 1975 "Techniques for Processing Student Grades", Journal of College Science Teaching, Volume V, Number 1, September 1975.
- "Collisional Phase Mixing in the R.F. Generation of an Overdense Plasma", Conference Record - Second International Conference on Plasma Science, May 1975, #75CH0987-8-NPS, page 93.
- "A Parametric Study of the Energy Balance Conditions for an R.F. Plasma Source", with R. Perry, Bulletin of the American Physical Society, Series II, Volume 20, Number 10, October 1975, page 1348.
- 1976 "Electron Heating and Ionization in an R.F. Discharge", Conference Record, the 1976 IEEE International Conference on Plasma Science, May 1976, Number 76CH1083-6-NPS, page 133.
- "R.F. Sustained Magneto Plasmas in Argon, Helium, and Nitrogen", with D. Mowery, Transactions of the Illinois Academy of Science, Volume 69, Number 1, 1976, page 1.
- "The Effects of Diffusion and Disassociative Recombination on the Solution of the Rate Equations for an R.F. Discharge", with M. Shobar, Bulletin of the American Physical Society, Series II, Volume 21, Number 9, October 1976, page 1175.
- 1978 "Plasma Rate Equations for an R.F. Discharge in a Magnetic Field", Journal of Applied Physics, Volume 49, Number 6, May 1978, page 2689.
- "The Importance of the Piaget Learning Theory for the College Teacher", Journal of College Science Teaching, Volume VII, Number 5, May 1978, page 285.
- 1980 "Tariffing and Marketing Vertical Services", Telephone Engineering and Management, Volume 84, Number 1, January 1, 1980, page 78.

Business Activities:

- 1970-Present Director, Northern Arkansas Telephone Company, Flippin, Arkansas
- 1975-1977 Director, Edwardsville Montessori Society

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1978-1983	Director, Citizens Bank & Trust Company, Flippin, Arkansas
1979-1980	Chairman, Northwest Area USDA Rural Development Committee
1980-1981	President, Flippin Chamber of Commerce, Flippin, Arkansas
1981-1986	Chairman, Personnel Management Committee, U.S. Telephone Assn.
1981-1983	Director, Arkansas State Chamber of Commerce
1981-1992	President, Nova Systems, Little Rock, Arkansas
1981-1982	Chairman, Small Company Concerns Committee, Arkansas Telephone Association
1982-1983	Secretary, Flippin Chamber of Commerce
1985-Present	Director, Arkansas Telephone Association
1986-1987	Information Management Committee, U.S. Telephone Assn.
1988-1994	Director, Arkansas State Chamber of Commerce
1989-1993	Intralata Toll Pool Steering Committee - Member
1990	Second Vice-President, Arkansas Telephone Association
1990-1992	Optional Toll Calling Plan Task Force, Arkansas Telephone Assn.
1990-1992	Arkansas Small Business Council
1991	First Vice-President, Arkansas Telephone Association
1991-Present	Industrial Developers of Arkansas
1991-1992	Chairman, Economic Development Committee, Arkansas Telephone Association
1991-1992	New Services and Technical Issues Sub-Committee, U.S. Telephone Association
1992	President, Arkansas Telephone Association
1992	Chairman, Executive Committee, Arkansas Telephone Association
1992-1993	Southwestern Bell Telephone Co. - Rural Arkansas Telephone Systems Negotiations Team
1992-Present	Intralata Rate Design & Review Committee - Subcommittee of Intralata Toll Pool Steering Committee

Page 7 1992 Rural America Forum Participant - Northern Telecom, Inc.
 1993 Secretary, Arkansas Telephone Association
 1993-1994 USTA SuperComm Trade Show - Program Committee
 1993 ATA Executive Committee
 1993-Present Director, Western Rural Telephone Association
 1994-Present Chairman, Western Alliance Universal Service Subcommittee
 1994-Present NECA Mayflower Group
 1994-Present NECA Proxy Subcommittee
 1996 Chairman, Small Company Concerns Committee
 Arkansas Telephone Association
 1997 Arkansas Intralata Toll Pool Steering Committee
 1997-Present Arkansas Universal Service Fund Committee
 1997 Legislative Drafting Committee

Business Presentations:

September-1981 Session Chairman - USITA Personnel Seminar - Nashville, Tenn.
 June-1982 University of Kansas Telco Management Program
 "Microcomputers in Telephone Company Management"
 September-1982 USTA - Round Table - "Productivity" - Seattle, Washington
 November-1982 USTA Plant Seminar - "Plant Productivity"; "Microcomputers"
 New Orleans, Louisiana
 February- 1983 Mid River, Telephone Cooperative - Annual Seminar Program
 Microcomputers/Productivity - Sidney, Montana
 May- 1983 USTA Plant Seminar - "The Use of Microcomputers in Plant
 Management" - Salt Lake City, Utah
 October- 1985 Arkansas Hospitality Association - Panel "Telecommunications
 in the Lodging Industry"
 February- 1987 USTA Personnel Seminar - "Establishing a Small Company Pension
 Plan" - San Francisco, California

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April-1993 **Small Company Service and Technology Options
Switching and Transport Alternatives
SuperComm Session # 117**

May-1994 **The Role of Small Telcos in the Information Age - Part 11
Rural Experience with SONET in the Local Loop
SuperComm Session # 114**