

<i>Client And Project</i>	<i>Project Phases</i>
<p><u>Alliant Energy/IES Utilities</u></p> <ul style="list-style-type: none"> • Microwave path engineering and analysis for four (4) OC-3 digital microwave paths. 	<p>Engineering and Design</p>
<p><u>Basin Electric Power Cooperative</u></p> <ul style="list-style-type: none"> • Feasibility study of an inter-utility microwave and fiber backbone between four regional utilities in N. Dakota, S. Dakota, Colorado, Wyoming and Nebraska • Engineering services and administration to coordinate Communications for Y2K 	<p>Requirements</p> <p>Feasibility Studies</p> <p>Planning</p>
<p><u>Big Rivers Electric Corporation</u></p> <ul style="list-style-type: none"> • Planning, design, and project engineering of a ten hop digital microwave system expansion • Planning, design, and project engineering of an OC-3 SONET ring for power plants over-built on an existing OC-3 SONET ring • Planning, design, spectrum acquisition, and engineering for upgrading the two-way radio system for BREC and its members including constructing three new sites & four spur DMW backhaul links • Develop, Issue, & Evaluate RFP for replacement radio system & consoles • Provide project engineering/management assistance during project implementation 	<p>Planning</p> <p>Engineering and Design</p> <p>FCC Licensing & Spectrum Acquisition</p> <p>RFP Preparation</p> <p>Project management</p>
<p><u>Black Hills Power</u></p> <ul style="list-style-type: none"> • Planning, engineering, design, project support and other work in support of the Gillette-Rapid City Telecommunications Project. This included site/path engineering, RFP preparation, and licensing support. 	<p>Planning</p> <p>Engineering and Design</p> <p>RFP Preparation</p> <p>Project management</p> <p>Licensing</p>

<p><u>Blue Grass Energy</u></p> <ul style="list-style-type: none"> • Prepare FAA and Kentucky Airport Zoning Commission filings for Harrison District Office • Create a specification to bid construction of a new Cynthiana office radio tower. This included technical specification, bidders list, and resubmitting FAA and KAZC forms 	<p>Specification Planning Engineering and Design RFP Preparation Licensing</p>
<p><u>Bosek, Gibson & Associates</u></p> <ul style="list-style-type: none"> • FCC Licensing for SP 10 Portables 	<p>Licensing</p>
<p><u>Castelli & Associates</u></p> <ul style="list-style-type: none"> • Field Support and training for DDM 2000 Sonet multiplexers. • Planning and design of a two-way radio system for O&R. This included field surveys, engineering, planning, frequency searches, propagation studies, as well as associated reports and presentations 	<p>Requirements Planning Engineering and Design Field Support</p>
<p><u>Central Lincoln People's Utility District</u></p> <ul style="list-style-type: none"> • Engineering services to perform path profiles and link budgets for Otter Crest to Newport microwave hop in 6 GHz band • License 6 GHz frequencies for Otter Crest-Newport Microwave. 	<p>Requirements Engineering and Design Licensing</p>
<p><u>City of Littleton Police Department</u></p> <ul style="list-style-type: none"> • Feasibility study for joint use of the Arapahoe County 800 MHz trunked radio system for the Littleton police dispatch (100 units, 20 channels, multi-site, zoned, voted, linked) 	<p>Requirements Design Training</p>
<p><u>Comm-Wells Sales and Engineering</u></p> <ul style="list-style-type: none"> • Radio coverage tiling maps for Centennial Site at 150, 450 & 850 MHz plus 850 MHz down-tilt studies. Site surveys and research. 	<p>Requirements Design Site Surveys</p>

<p><u>Corn Belt Power Cooperative</u></p> <ul style="list-style-type: none"> • Telecommunications consulting services to aid Corn Belt Power in the digital upgrade project. Services included system design, path engineering, field verifications, preparation of permits, licensing, specifications, RFP's, drawings, inventories and site and rack layouts. • Also included project management support, scheduling, tracking, project correspondence and reports on the status of completion of work. • Wireless network planning and feasibility study 	<p>Requirements Site Surveys Planning Engineering and Design Licensing RFP Preparation Documentation Project Management</p>
<p><u>Custer Public Power District</u></p> <ul style="list-style-type: none"> • Telecommunications consulting services to aid Custer Public Power District with the design and operation of their radio system. This includes an on site visit to Broken Bow and consultation with Rick Nelson. 	<p>Feasibility Requirements Design and Engineering</p>
<p><u>Delta Montrose Electric Association</u></p> <ul style="list-style-type: none"> • Subcontractor to aid DMEA in the evaluation and feasibility of bidding on LMDS frequencies • 220 MHz seminar and project evaluation • Field investigation of various DMEA sites, system design and engineering, path engineering, and grounding recommendations • Development of a wireless network strategy and planning, design and engineering of a two way radio/wireless system and voice recorder system 	<p>Feasibility Studies Requirements Planning Training Field Surveys Engineering and Design</p>

<p><u>East Kentucky Power Cooperative</u></p> <ul style="list-style-type: none"> • Developed a telecommunications strategic plan for EKPC and a network connecting their 18 member companies. Included training seminars with the 18 member RECCs • PCS negotiation and transition planning for 2GHz microwave relocation by PCS providers • Design, engineer, install, project management and training on 6 GHz digital radio installation to replace 2 GHz PCS relocated hops • Wide Area Network planning, feasibility studies, specification and implementation management for fiber optic, microwave additions, leased service availability, and new business opportunities. • Detailed planning, engineering and design of a wide area telecommunications network • Engineering, design and documentation of all initial traffic to be implemented at cutover. • Make Ready Work: Engineering and Design of grounding and AC wiring at microwave sites in preparation for installation of microwave • Path engineering and field verification • Fiber engineering and engineering support for HQ and 20 last mile fiber locations • Additional project management support to aid EKPC in the administering of the digital microwave project with Alcatel USA. • Planning, engineering design and documentation to aid East Kentucky's Telecom Team in the cutover of an analog microwave to the new digital network. • Microwave, Mobile radio FCC licensing • Design of a Backup Control Center including stratum clock, jackfields, 2 Way radio console, DSX jackfields, Tellabs DACS server, site drawings, orderwire and network synchronization • Preparation of a written Telecom Disaster Recovery Plan. 	<p style="text-align: center;"> PCS Negotiations Strategic Planning Feasibility Studies Requirements Planning Engineering and Design RFP Preparation Project Management Installation Documentation Training </p>
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<p><u>El Paso Western Pipeline – Ruby Pipeline LLC</u></p> <ul style="list-style-type: none"> • Researched and identified potential telecommunications sites and service providers for the planned 670 mile pipeline from Wyoming to Oregon • Provided preliminary planning, design and budgetary estimates for microwave backbone system (~ 30-40 sites) 	<p>Requirements</p> <p>Planning</p> <p>Design & Engineering</p> <p>Budgeting</p>
<p><u>Empire Electric Association</u></p> <ul style="list-style-type: none"> • System design and materials list for Cortez-Main fiber link. Various path profiles for microwave paths and miscellaneous conference calls and short spacing agreement. • FCC licensing of MAS systems 	<p>Design and Engineering</p> <p>Negotiations</p> <p>Licensing</p>
<p><u>ESA Technologies, Inc.</u></p> <ul style="list-style-type: none"> • Microwave path studies: Longview, TX to Tyler, TX. 	<p>Design and Engineering</p>
<p><u>Evolving Systems Inc.</u></p> <ul style="list-style-type: none"> • Training on RF fundamentals, craft practices, safety, technology and installation techniques 	<p>Training</p>
<p><u>Exponential Engineering</u></p> <ul style="list-style-type: none"> • Analysis & design of various microwave paths for the city of Farmington 	<p>Engineering Study</p>
<p><u>Felling Engineering</u></p> <ul style="list-style-type: none"> • Engineering study to determine the effect of high density RF energy fields on electronic communications equipment 	<p>Engineering Study</p>
<p><u>FirstEnergy</u></p> <ul style="list-style-type: none"> • Developed System Protection’s requirements for replacing existing analog microwave system for the Cleveland operations area • Developed alternative network configurations for the replacement microwave system • Developed budgetary estimates and high-level schedule for alternatives considered 	<p>Requirements</p> <p>Design & Engineering</p> <p>Budgeting</p>

<p><u>Gillespie, Prudhon & Associates</u></p> <ul style="list-style-type: none"> • Design, engineering and planning of telecommunications facilities for Black Hills Power's two-way mobile radio system throughout their service territory. • Design, engineering and planning of telecommunications facilities for PacifiCorp's two-way mobile radio system throughout their service territory. 	<p style="text-align: center;">Planning Engineering and Design Propagation Studies Feasibility Studies</p>
<p><u>Grand Valley Water Users Association</u></p> <ul style="list-style-type: none"> • MAS radio system licensing 	<p style="text-align: center;">Licensing</p>
<p><u>Grayson Rural Electric Corporation</u></p> <ul style="list-style-type: none"> • Inspect radio system and make recommendations for improvement of operation of Grayson's UHF radio system. 	<p style="text-align: center;">Site Surveys Planning Engineering Study</p>
<p><u>Great Lakes Gas Transmission, Ltd.</u></p> <ul style="list-style-type: none"> • Consulting services to review and assess new radio system requirements. 	<p style="text-align: center;">Planning Engineering Study</p>
<p><u>Hawaii Electric Light Company</u></p> <ul style="list-style-type: none"> • MAS ,microwave and radio licensing 	<p style="text-align: center;">Engineering & Licensing</p>
<p><u>Intermountain Gas</u></p> <ul style="list-style-type: none"> • Shaeffer Butte coverage study and interference analysis at 39 dBu and 22 dBu contours 	<p style="text-align: center;">Engineering Studies Propagation Studies</p>
<p><u>Kansas City Power & Light</u></p> <ul style="list-style-type: none"> • Planning, design, spectrum acquisition, and engineering for upgrading/narrowbanding the existing two-way radio system • Develop, Issue, & Evaluate RFP for replacement radio system & consoles • Provide project engineering/management assistance during project implementation 	<p style="text-align: center;">Planning Engineering and Design FCC Licensing & Spectrum Acquisition RFP Preparation Project management</p>

<p><u>Kinder Morgan</u></p> <ul style="list-style-type: none"> • Path Surveys to determine the feasibility of spread spectrum microwave paths between Truro and Des Moines, and Wyman to Coralville. • UHF and MAS FCC Licensing 	<p>Path Studies</p> <p>Licensing</p>
<p><u>KN Energy</u></p> <ul style="list-style-type: none"> • FCC licensing and FAA approvals 	<p>Licensing</p>
<p><u>KNS Communications, LTD</u></p> <ul style="list-style-type: none"> • Referral to City of Loveland 	<p>Referral</p>
<p><u>Lakewood Police Department</u></p> <ul style="list-style-type: none"> • Performed engineering research on technologies and vendors available for mobile data services in the Lakewood coverage area. This included calls to various broadband and mobile data carriers and service providers. 	<p>Requirements</p> <p>Engineering Studies</p>
<p><u>La Plata Electric Association</u></p> <ul style="list-style-type: none"> • Planning and design of the telecommunications system and radio sites necessary for a Load Management and Distribution Automation System • Feasibility and radio coverage study for a proposed 900 MHz MAS site. • Radio contour coverage maps for new versus old site selection process • Co-channel agreements and licensing of VHF and UHF radio channels 	<p>Requirements</p> <p>Engineering Studies</p> <p>Licensing</p>
<p><u>Las Vegas Valley Water District</u></p> <ul style="list-style-type: none"> • Pole attachment agreements between Nevada Power and SNWA • Contract negotiations 	<p>Requirements</p> <p>Contract Negotiations</p>

<p><u>Littleton Public Schools</u></p> <ul style="list-style-type: none"> • Provide engineering and consulting services necessary to complete active antenna installations at Heritage High and Powell schools 	<p style="text-align: center;">Planning</p> <p style="text-align: center;">Engineering and Design</p>
<p><u>Lucent Technologies</u></p> <ul style="list-style-type: none"> • Aided Lucent in the understanding of the Utility Telecommunication’s environment and general Utility telecommunication systems in place and future requirements 	<p style="text-align: center;">Requirements</p>
<p><u>Mayer Radio a division of DAKSOFT</u></p> <ul style="list-style-type: none"> • Intermodulation Study to determine possible sources of frequency interference at Bear Mountain Radio Site. 	<p style="text-align: center;">Engineering Studies</p>
<p><u>McGraw-Hill Companies</u></p> <ul style="list-style-type: none"> • Developed article regarding power systems communications for Electrical Engineering handbook 	<p style="text-align: center;">Engineering Studies</p>
<p><u>MMS Inc.</u></p> <ul style="list-style-type: none"> • Consulting services to aid the evaluation of the LMDS marketplace 	<p style="text-align: center;">Engineering Studies</p> <p style="text-align: center;">Referrals</p>
<p><u>Moffat County Commissioners</u></p> <ul style="list-style-type: none"> • Consulting services to aid in the evaluation of a microwave route from Grand Junction, CO. to Craig, CO 	<p style="text-align: center;">Planning</p> <p style="text-align: center;">Engineering Studies</p>
<p><u>National Rural Electric Cooperative Assoc.</u></p> <ul style="list-style-type: none"> • Review and comment on a reconnaissance report on wireless communications technologies and “A guide to Land Mobile Radio” 	<p style="text-align: center;">Engineering Studies</p>

<p><u>Navajo Tribal Utility Authority</u></p> <ul style="list-style-type: none"> • Evaluate Prior Coordination Notices to determine interference to existing microwave 	<p>Engineering Studies</p>
<p><u>Nebraska Public Power District</u></p> <ul style="list-style-type: none"> • UHF radio system licensing • Automatic Meter Reading Study pilot project focused on testing of LEO technology specific to NPPD Meter locations. • Preliminary engineering, planning, path profiles and design in order to aid NPPD with a detailed estimate for a microwave expansion from Julian to Auburn ATF to Auburn EOF. • Telecommunications consulting services to aid NPPD in the planning and design of a Sonet extension from Kelly to Columbus HQ. • Planning, design and engineering of the Hoskins-Twin Church microwave extension. • Planning and design for additions to NPPD's existing videoconference network 	<p>Licensing</p> <p>Feasibility Studies</p> <p>Engineering Studies</p> <p>Planning</p> <p>Path Profiles</p> <p>Engineering and Design</p>
<p><u>Nevada Power Company</u></p> <ul style="list-style-type: none"> • Consulting Services to aid Nevada Power with cost estimates for a OC-192 fiber optic ring and connections into strategic central offices and POP's • Cost estimates to network Sawyer Building to UNLV via Nevada Power Company's network • Design, engineering, specification and documentation to enable fiber installation at UNLV, fiber connectivity between Clayton Substation and Sahara Substation, and fiber installation at Williams POP. 	<p>Feasibility Studies</p> <p>Engineering Studies</p> <p>Engineering and Design</p> <p>Specifications</p>
<p><u>New Hampshire Electric Coop</u></p> <ul style="list-style-type: none"> • Created a Telecommunications Strategic Plan for NHEC. This included research, interviews, planning, preliminary engineering analysis, and investigating alternatives to integrate NHEC's telecom network functions. 	<p>Planning</p> <p>Requirements</p>

<p><u>Nolin RECC</u></p> <ul style="list-style-type: none"> • Renew FCC radio licenses various sites. 	<p>Licensing</p>
<p><u>Northern Border Pipeline Company</u></p> <ul style="list-style-type: none"> • Microwave path engineering and 960 MHz link engineering in Iowa & Illinois 	<p>Engineering Studies</p>
<p><u>Northwest Iowa Power Cooperative</u></p> <ul style="list-style-type: none"> • MAS radio system licensing • VHF/UHF radio system licensing 	<p>Licensing</p>
<p><u>Orange and Rockland Utilities</u></p> <ul style="list-style-type: none"> • Analyze availability of radio frequencies in O&R territory • Prepare RF radio coverage maps 	<p>Requirements Engineering Studies</p>
<p><u>Owen Electric Cooperative, Inc.</u></p> <ul style="list-style-type: none"> • Supported Owen Electric with Microwave and Radio systems into the new Headquarters complex. This included frequency searches, RF coverage maps, existing license review, field visits, path profiles, engineering design, planning, specification and FCC licensing of radio systems. 	<p>Requirements Engineering Studies Frequency Analysis Propagation Studies Field Surveys Specification Design Licensing</p>
<p><u>PacifiCorp</u></p> <ul style="list-style-type: none"> • Design and engineering to facilitate site surveys of proposed or existing radio communication sites in Idaho and Utah in order to document all sites and validate information to facilitate site design • Aided PacifiCorp in developing a frequency plan for the new narrowband layout for all districts. This included a methodology for use of all existing frequencies as well as a strategy to relocate incumbents for additional frequencies as required. • Design and engineering calculations for an intermod radio interference study for Abajo Peak. 	<p>Requirements Engineering Studies Planning</p>

<p><u>Pagosa Area Water and Sanitation District</u></p> <ul style="list-style-type: none"> • Investigate path studies for Pagosa Springs area and aid in radio system design. • Prepare and submit forms for frequency coordination. 	<p>Path Engineering</p> <p>Licensing</p>
<p><u>Pennsville Township Water Dept.</u></p> <ul style="list-style-type: none"> • Licensing for an MAS system 	<p>Licensing</p>
<p><u>Platte River Power Authority</u></p> <ul style="list-style-type: none"> • Seminar for technical staff and management on telecommunications technology, utility telecommunications applications, regulatory changes and new business opportunities for telecommunications in a deregulated utility • Engineering services to aid in the coordination and FCC licensing of PRPA's 960 MHz radio sites. • Radio Frequency Interference Study and other consulting services to determine the source of RFI that has been affecting the operation of an amateur radio station in Fort Collins, Colorado 	<p>Training</p> <p>Licensing</p> <p>Engineering Studies</p>
<p><u>Plumas Sierra Rural Electric Cooperative</u></p> <ul style="list-style-type: none"> • Prepare request for Special Temporary Authority with cover letter and FCC form 159 	<p>Licensing</p>
<p><u>Poudre Valley Rural Electric Assoc., Inc.</u></p> <ul style="list-style-type: none"> • Planning, design, engineering and procurement of a digital microwave link between Bald Mountain and Poudre Valley Headquarters. • Engineering services to aid in the design, coordination and licensing of a system wide MAS system. 	<p>Planning</p> <p>Engineering Studies</p> <p>Engineering and Design</p> <p>Licensing</p>
<p><u>Public Service Company of New Mexico</u></p> <ul style="list-style-type: none"> • FCC licensing for 800 MHz mobile radio dispatch system and remotes • FCC licensing requirements and frequency monitoring for 800 MHz Finders Preference 	<p>Engineering Studies</p> <p>Licensing</p> <p>Negotiations</p>

<p><u>Red Cedar Gathering Company</u></p> <ul style="list-style-type: none"> • Microwave path profiles and surveys for possible new radio sites • Technical assistance re installation of two way radio telemetry links and systems 	<p>Requirements</p> <p>Engineering Studies</p>
<p><u>San Isabel Electric Coop</u></p> <ul style="list-style-type: none"> • Assisted in wireless AMI design • Developed tiling predicted coverage propagation maps for 153 MHz mobile system & 220 MHz AMI system • Developed budgetary estimates for backhaul system & assisted in preparing budgetary estimate for mobile radio system • Assisted in wide area network fiber optics system design 	<p>Planning</p> <p>Engineering Studies</p> <p>Budgeting</p>
<p><u>San Luis Valley Rural Electric Coop</u></p> <ul style="list-style-type: none"> • Analyze radio interference, recommend solutions and specify hardware to correct situation at SLV Sub. Presentation to board. 	<p>Planning</p> <p>Engineering Studies</p> <p>Presentations</p>
<p><u>San Miguel Power Association, Inc.</u></p> <ul style="list-style-type: none"> • Assessment, planning and design of a two-way radio system. This includes researching site locations, creating computer propagation models and RF coverage maps as well as channel access and design issues to interface with Tri-State's telecom system 	<p>Planning</p> <p>Engineering Studies</p> <p>Propagation studies</p> <p>Engineering and Design</p>
<p><u>Southern Illinois Power Cooperative</u></p> <ul style="list-style-type: none"> • UTAM /PCS coordination issues • Microwave path engineering for spread spectrum links • Special studies regarding licensing issues • Path profiles, map work, planning, engineering, feasibility and cost analysis of alternative microwave systems for a communications network plan. • Path surveys, network planning, detailed engineering, specification, design and project management to complete a digital microwave 	<p>Engineering Studies</p> <p>Licensing and Coordination</p> <p>Path Profiles</p> <p>RFP Preparation</p> <p>Feasibility Studies</p> <p>Engineering and Design</p> <p>Field Supervision</p> <p>Project management</p>

network upgrade for Southern Illinois Power's microwave system.	
<p><u>Southwest Iowa Service Corporation</u></p> <ul style="list-style-type: none"> • Radio licensing and special studies regarding licensing issues 	<p>Licensing</p>
<p><u>Tampa Electric Company</u></p> <ul style="list-style-type: none"> • VHF, UHF and microwave radio licensing and special studies regarding licensing issues • 928/952 MHz MAS system design, licensing, propagation coverage maps & site selection 	<p>Engineering Studies</p> <p>FCC Licensing</p>
<p><u>Trapper Mining Company</u></p> <ul style="list-style-type: none"> • Radio licensing and special studies regarding licensing issues • UHF Radio Coverage study and design for Trapper Mine UHF Radio system. Site inspection and design of voting and BDA options as well as preliminary budgets for equipment. 	<p>FCC Licensing</p> <p>Propagation Studies</p> <p>Field Surveys</p> <p>Planning</p> <p>Engineering and Design</p>
<p><u>Tri-Corners Telecommunications, Inc.</u></p> <ul style="list-style-type: none"> • Smelter Mountain FCC Database searches and calls for information on LMDS system 	<p>FCC Database Searches</p> <p>Engineering Studies</p> <p>Feasibility Studies</p>

<p><u>Tri-State Generation and Transmission Assoc.</u></p> <ul style="list-style-type: none"> • Developed a strategic microwave system plan for a three state service territory which included recommendations and budget estimates for programs and projects for a five year implementation period • Developed a strategic plan for a three state UHF digital mobile radio system, including design, five year plan, budgeting, technology evaluation, channel acquisition, licensing (210 mobiles, 110 portables, 120 base, control & repeaters) • FCC licensing and mobile radio system coverage maps for UHF radio system design. • PCS negotiation, transition planning, engineering, RFP preparation, design, project management, and installation for 2 GHz relocation & new 6 GHz microwave install. • Feasibility study of an inter-utility microwave & fiber backbone between four utilities in N. Dakota, S. Dakota, Colorado, Wyoming and Nebraska • Member Company training re radio & refarming technology • Preparation of RFP and negotiation for UHF radio contractual arrangements • Planning, design, and procurement of all types of digital microwave links & fiber optic terminal equipment to support new substations • Planning, design, licensing, procurement and project management for installation of 960MHz thru 10 GHz digital micro links in CO and NE. • Engineering and design of telecommunications circuits throughout system for real time metering into substations • Site surveys and documentation for NM radio sites and installation of RTU's in various subs • Renewed a strategic telecommunications plan for five state service territory in 2005-06 for programs and strategies through 2015 	<p>Requirements</p> <p>RFP Creation</p> <p>Engineering and Design</p> <p>Engineering Studies</p> <p>Licensing</p> <p>Negotiations</p> <p>Installation</p> <p>Drawing Packages</p> <p>Project Management</p> <p>Training</p>
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<p><u>United Power Inc.</u></p> <ul style="list-style-type: none"> • Training on NRTC’s 220 MHz proposals • Design and documentation of a fiber optic route for United Power. • VHF & UHF radio system licensing 	<p>Strategic Planning</p> <p>Training</p> <p>Engineering Design and Documentation</p> <p>Licensing</p>
<p><u>United Telecom Council (a.k.a. UTC)</u></p> <ul style="list-style-type: none"> • <i>Dairyland Power Cooperative:</i> Evaluation of bid alternatives for mobile radio system design and procurement • <i>APPA Source Book:</i> Authored sections of a technical source book published for APPA to discuss telecommunications technology choices for utilities in a deregulated competitive environment • <i>Refarming and Licensing Seminars:</i> Contributing faculty to regional and national seminars on radio system refarming techniques, technology choices and new FCC ULS system 	<p>Engineering Studies</p> <p>Bid Evaluation and Procurement</p> <p>Technical Writing</p> <p>Seminars</p>
<p><u>Urn Yeo Consulting</u></p> <ul style="list-style-type: none"> • Design, engineering and planning for an RFL IMUX Network as well as telecommunications links into White Rock, Jay Bird and Hedge for SMUD. • Radio signal contour coverage maps for new versus old site selection process 	<p>Design and Engineering</p> <p>Propagation Studies</p> <p>Engineering Studies</p>
<p><u>Utilicorp United</u></p> <ul style="list-style-type: none"> • Radio signal contour coverage maps for new versus old site selection process • Negotiated co-channel agreements & VHF & UHF radio system licensing 	<p>Engineering Studies</p> <p>Propagation Studies</p> <p>Licensing</p>
<p><u>Utility Services and Automation</u></p> <ul style="list-style-type: none"> • Microwave path profiles and studies 	<p>Engineering Studies</p>
<p><u>Warren Rural Electric Cooperative</u></p> <ul style="list-style-type: none"> • Engineering design and site surveys for grounding remediation to aid in the design of an adequate grounding system at Headquarters and Service Center areas. • Microwave system planning and design 	<p>Site Surveys</p> <p>Engineering Design</p>

<p><u>White River Electric Association</u></p> <ul style="list-style-type: none"> Consulting services to aid WREA with the connection of various substations in the Piceance Basin with a wide area telecommunications system for SCADA and other telecom circuits back to WREA's HQ 	<p>Requirements</p> <p>Planning</p> <p>Engineering Studies</p>
<p><u>Zero Error Networks</u></p> <ul style="list-style-type: none"> Microwave path profiles, reliability calculations and studies 	<p>Engineering Studies</p>