

RESUME

Kevin Woodruff
Principal, Woodruff Expert Services

EXPERIENCE

WOODRUFF EXPERT SERVICES 1100 K Street, Suite 204 Sacramento, California 95814 916-442-4877 (voice) 916-442-2029 (fax) kdw@woodruff-expert-services.com November 2002 –	PRINCIPAL Analyze complex policy and business issues faced by electric utilities, generators, customers, and other industry players. Communicate to clients analytic findings and corollary recommendations for action. Help clients communicate findings and recommendations to other parties, including preparing expert testimony for and supporting litigation efforts.
HENWOOD ENERGY SERVICES, INC. (now Ventyx, aka Global Energy Decisions) April 1988 – November 2002	PRINCIPAL CONSULTANT (as of July 1992) Helped manage Henwood's transition into leading supplier of electric power system and market analytic software by managing complex software development and implementation projects and managing the development, marketing, and sales of software products. Helped develop Henwood's power market analysis consulting practice into national leader by managing individual projects, managing and developing other staff to provide such services, identifying and developing new and enhanced services, and marketing and selling services to new and existing clients. Provided variety of consulting services to clients with interests in energy utility industry, including preparing expert testimony and supporting litigation efforts, analyzing, modeling, and forecasting operations of power systems, power markets, and individual generating units, forecasting utility and project revenues, costs, and rates, and analyzing and consummating business transactions.
CALIFORNIA STATE UNIV, SACRAMENTO September 1994 – May 1995 (part-time)	LECTURER IN MANAGEMENT Taught upper division courses in Finance.
SIERRA ENERGY AND RISK ASSESSMENT May 1986 – April 1988 November 1985 – May 1986 (part-time)	STAFF CONSULTANT Provided clients analysis of gas and electricity project economics and utility revenues, costs, and rates.
PRIOR EXPERIENCE	Five years with private legislative reporting firm; California state economic development, regulatory, and tax agencies and Legislature; and labor organization.

EDUCATION

A.B., Economics, University of California, Berkeley, 1976
M.B.A, California State University, Sacramento, 1990

ADDENDUM 1

to Resume of Kevin Woodruff

EXPERIENCE WITH WOODRUFF EXPERT SERVICES

CLIENT	PROJECTS
<p>THE UTILITY REFORM NETWORK 711 Van Ness Avenue, Suite 350 San Francisco, CA 94102 415-929-8876</p> <p>Mr. Bob Finkelstein, Legal Director Mr. Mike Florio, Senior Staff Attorney Mr. Matt Freedman, Staff Attorney</p>	<p>ANALYZE IOUs' PROPOSALS TO DEVELOP OR ACQUIRE POWER PLANTS. Sep 03 – present. Review, analyze, comment, and testify on California Investor-Owned Utilities' (IOUs') various plans to acquire or purchase output from specific power plants.</p> <p>MONITOR CALIFORNIA IOUs' SHORT- AND MID-TERM ELECTRIC PROCUREMENT. Aug 03 – present. Review, analyze, and comment on California IOUs' short- and mid-term electric power procurement and related activities by participating in their confidential Procurement Review Groups.</p> <p>ANALYZE ELECTRIC RESOURCE PLANNING AND ADEQUACY POLICIES. May 03 – present. Review, analyze, comment and testify on California electric resource planning issues, including the Resource Adequacy Requirement and the development of new power plants.</p> <p>MONITOR INITIATIVES TO CHANGE CALIFORNIA TRANSMISSION PLANNING PROCESSES. Feb 04 – Aug 05 and Jul 08 – present. Review, analyze and comment as appropriate on California state agencies' various initiatives to change transmission planning and evaluation processes.</p>
<p>OFFICE OF THE ARKANSAS ATTORNEY GENERAL, CONSUMER UTILITIES RATE ADVOCACY DIVISION 323 Center Street, Suite 200 Little Rock, AR 72201 501-682-1321</p> <p>Mr. M. Shawn McMurray, Senior Assistant Attorney General Ms. Sarah Tacker, Assistant Attorney General</p>	<p>ANALYZED UTILITY PROPOSAL TO PURCHASE POWER PLANT.</p> <p>Mar 09 – present. Analyzing proposal of Entergy Arkansas, Inc. (EAI) and other owners to install scrubbers and low NOx burners at the coal-fired White Bluff Steam Electric Station (APSC Docket No. 09-024-U).</p> <p>Feb 09 – present. Analyzing proposals to restructure Entergy's transmission planning processes. (APSC Docket No. 08-136-U).</p> <p>Nov 07 – Jun 08. Analyzed EAI proposal to purchase Ouachita (combined cycle power) Plant and related wholesale resale, cost allocation and ratemaking issues (APSC Docket No. 06-152-U).</p>
<p>ATTORNEY GENERAL OF WASHINGTON, PUBLIC COUNSEL SECTION 800 5th Street, Suite 2000 Seattle, WA 98104-3188 206-389-3055</p> <p>Mr. Simon J. ffitich, Senior Assistant Attorney General, Section Chief</p>	<p>ANALYZED UTILITY POWER SUPPLY COST FORECAST AND PROPOSED POWER CONTRACT.</p> <p>Feb 09 – present. Analyzing proposal of Avista to assign to Avista Utilities a Power Purchase Agreement (PPA) and related contracts related to the Lancaster (combined cycle) Generating Facility and other aspects of Avista's forecast of its 2010 power supply costs.</p>

CLIENT	PROJECTS
<p>DIVISION OF RATEPAYER ADVOCATES of the CALIFORNIA PUBLIC UTILITIES COMMISSION 505 Van Ness Avenue San Francisco, CA 94102 415-703-1418</p> <p>Mr. Scott Logan, Regulatory Analyst</p>	<p>ANALYZE COST-EFFECTIVENESS OF PROPOSED TRANSMISSION LINES.</p> <p>Dec 06 – Jan 09. Led team of consultants analyzing cost-effectiveness of San Diego Gas & Electric Company’s proposed Sunrise Powerlink.</p> <p>Aug 05 – Jan 07. Led team of consultants analyzing cost-effectiveness of Southern California Edison’s proposed Devers–Palo Verde No. 2 Transmission Line Project (DPV2).</p>
<p>MAINE PUBLIC UTILITIES COMMISSION 242 State Street, State House Station 18 Augusta, ME 04333 207-287-1394</p> <p>Mr. Chuck Cohen, Hearing Examiner</p>	<p>ANALYZED COST-EFFECTIVENESS OF PROPOSED TRANSMISSION LINE.</p> <p>Oct 08 – Jan 09. Initiated analysis of cost-effectiveness of Maine Public Service and Central Maine Power Company’s proposed Maine Power Connection.</p>
<p>NEVADA OFFICE OF THE ATTORNEY GENERAL, BUREAU OF CONSUMER PROTECTION 555 E. Washington Avenue, Suite 3900 Las Vegas, NV 89101 702-486-3129</p> <p>Mr. Eric Witkoski, Chief Deputy Attorney General</p>	<p>ANALYZED COST-EFFECTIVENESS OF PROPOSED GENERATION AND TRANSMISSION RESOURCES.</p> <p>Jun 07 – Sep 07 and Jul 08 – Aug 08. Reviewed and analyzed resource plans and amendments filed by the Nevada Power Company and Sierra Pacific Power Company.</p> <p>Jun 06 – Nov 06. Led team of consultants analyzing proposals to build significant new generation and transmission resources made by the Nevada Power Company and Sierra Pacific Power Company in their 2006 Integrated Resource Plan filings.</p>
<p>TEXAS OFFICE OF PUBLIC UTILITY COUNSEL 1701 N. Congress Ave., Suite 9-180 Austin, TX 78701- 512-936-7500</p> <p>Mr. Clarence L. Johnson, Director, Regulatory Analysis (retired)</p>	<p>ANALYZED REASONABLENESS OF EL PASO ELECTRIC COMPANY’S POWER PURCHASES. Feb 05 – Mar 06. Reviewed and filed testimony regarding reasonableness of three contracts signed by El Paso Electric Company in 2001 for delivery of power in 2002.</p>
<p>UTILITY CONSUMERS’ ACTION NETWORK 3100 5th Ave., Suite B San Diego, CA 92103 619-696-6966</p> <p>Mr. Michael Shames, Executive Director</p>	<p>ANALYZED SAN DIEGO GAS & ELECTRIC PROPOSAL TO DEVELOP NEW POWER PLANTS. Sep 03 – Sep 06. Review, analyze, and testify on SDG&E’s plan to purchase Palomar power plant, contract for power from Otay Mesa power plant, and make other transactions. (<i>Joint effort with TURN.</i>)</p>
<p>PASADENA WATER AND POWER 150 S. Los Robles Ave., Suite 200 Pasadena, CA 91101</p> <p>Contact Woodruff for reference.</p>	<p>ESTIMATED HISTORIC GAS COSTS. Apr – May 03. Reviewed, analyzed, and provided testimony to Federal Energy Regulatory Commission regarding the gas costs facing Pasadena Water and Power during the period from October 2000 to June 2001.</p>

CLIENT	PROJECTS
<p>NORTHERN CALIFORNIA POWER AGENCY 180 Cirby Way Roseville, CA 95678 916-781-3636</p> <p>Mr. Don Dame, Assistant GM, Power Management Mr. Thomas S.W. Lee, Mgr, Portfolio Planning</p>	<p>CONFIDENTIAL PROJECT. Feb – Apr 03.</p>

8/09

ADDENDUM 2

to Resume of Kevin Woodruff

EXPERIENCE RELATED TO ELECTRIC RESOURCE PLANNING AND ASSET VALUATION

Woodruff Expert Services

Sacramento, California

November 2002 to present

- Analyzing proposal of Avista to assign to Avista Utilities a Power Purchase Agreement (PPA) and related contracts related to the Lancaster (combined cycle) Generating Facility.
- Analyzing proposal of Entergy Arkansas, Inc. (EAI) and other owners to install scrubbers and low NOx burners at the coal-fired White Bluff Steam Electric Station.
- Analyzing proposals to restructure Entergy's transmission planning processes.
- Led effort to assess value of San Diego Gas & Electric Company's proposed Sunrise Powerlink on behalf of Commission's Office of Ratepayer Advocates (ORA).
- Initiated analysis of cost-effectiveness of Maine Public Service and Central Maine Power Company's proposed Maine Power Connection transmission project.
- Analyzed proposal of EAI to purchase the Ouachita (combined cycle power) Plant.
- Led effort to assess value of Southern California Edison's proposed Devers-Palo Verde No. 2 Transmission Line Project (DPV2) on behalf of ORA.
- Analyze and provide expert testimony regarding cost-effectiveness of California Investor-Owned Utilities' (IOUs') specific proposals to contract for output of or acquire electric generating projects.
- Analyze and provide analysis, including expert testimony, regarding California's electric Resource Adequacy Requirement and electric IOUs' long-term electric resource plans and short-term procurement and risk mitigation plans.
- Analyze and provide comments procurement and risk mitigation strategies as part of each California IOU's Procurement Review Group.
- Led analysis of proposals to build significant new generation and transmission resources made by the Nevada Power Company and Sierra Pacific Power Company in their 2006 Resource Plan filings.
- Analyzed and provided analysis regarding California state agencies' initiatives to develop consistent process for planning for and evaluating new transmission projects.
- Monitor development of estimates of renewable transmission and other integration costs.

Henwood Energy Services, Inc.

Sacramento, California

April 1988 to November 2002

- Modeled and analyzed long-term resource planning issues of California electric IOUs
- Modeled and analyzed short-term operations of California electric IOUs
- Prepared resource plan for municipal utility
- Managed and assisted public power entity's power supply Request for Proposal (RFP) processes
- Helped generation plant owners respond to California IOU and other RFPs for electric power
- Sold, conducted, and/or managed forecasts of power market operations and prices and related valuations of generating assets
- Prepared analyses of IOU and municipal utility revenue requirements, stranded costs, and rate design
- Managed projects to develop and implement software for electric plant and system operations, electric system forecasting and planning, risk quantification, and asset valuation
- Sold and managed projects to develop and implement maintenance planning software for vertically-integrated utilities
- Helped electric generators buy gas commodity and pipeline capacity rights
- Prepared and defended expert testimony on behalf of applicants and interveners in Commission proceedings in California and Montana

Sierra Energy and Risk Assessment

Sacramento / Roseville, California

May 1986 to April 1988 (full-time)

November 1985 to May 1986 (part-time)

- Assisted analysis for CPUC advocacy staff regarding SCE's proposed Devers-Palo Verde 2 transmission line.