

EDWARD M. WEAVER

First Tracks Consulting Service, Inc.

President

Nederland, CO

2000 - present

Founder of management consulting company serving clients in the utility, energy service, and energy technology industries. Specializing in strategic consulting services, including long-term planning, business-cycle planning, organizational development, and regulatory support. Developed multiple business plans, integrated resource plans, and energy efficiency plans, covering hundreds of energy efficiency programs. Administered procurement systems for power supply and energy efficiency resources. Testified over a dozen times before state utility commissions. Provided key account support to energy utilities, including direct work with industrial customers to develop strategic energy plans.

PG&E Energy Services, Inc.

Director, Strategy & Planning (and other titles)

San Francisco, CA/Boulder, CO

1997 - 2000

Reported directly to the CEO of retail service company selling electricity, natural gas, and other energy services to commercial and industrial customers throughout the United States. Responsible for business planning, including forecasts and tracking of product-line profitability, as well as company-wide product development process. Responsible for commodity market strategy, including tracking utility deregulation efforts and making market entry and exit decisions for each state/jurisdiction. Responsible for developing strategic alliances with companies such as mechanical contractors, electrical contractors, lighting vendors, and engineering firms to deliver energy services. Responsible for managing risks associated with guarantees and other risk structures embedded within complex energy service contracts.

Barakat & Chamberlin, Inc.

Principal/Partner (and other titles)

Oakland, CA/Boulder, CO

1988 - 1997

Managed multimillion dollar practice within international management consulting firm. Specialized in projects involving energy efficiency planning, implementation, and evaluation; energy service company development; integrated resource planning; power supply procurement; and business planning. Developed over two dozen business plans, integrated resource plans, and energy efficiency plans for utilities and energy service companies located throughout North America. Helped utility clients plan, implement, and evaluate hundreds of energy efficiency programs. Helped clients develop and implement competitive acquisition approaches for power supplies and energy efficiency resources. Developed training programs in business planning, integrated resource planning, communications, and risk management for the Electric Power Research Institute, Canadian Electrical Association, and private clients. Testified before state public utility commissions.

Burlington Electric Department

Demand-Side Planner

Burlington, VT

1987 - 1988

Developed first integrated resource plan for municipal electric utility. Worked with program managers to implement energy efficiency programs. Responsible for rate department in addition to planning activities. Testified before Vermont Public Service Board.

Vermont Department of Public Service

Electricity Planner

Montpelier, VT

1985 - 1987

Responsible for statewide energy planning. Primary author of 1997 State Electricity Plan. Testified before Vermont Public Service Board.

Energy Systems Research Group (Now Tellus Institute)

Research Assistant

Boston, MA

1982 - 1985

Contributed to projects involving energy efficiency, resource planning, and litigation support.

EDUCATIONAL RECORD

Massachusetts Institute of Technology, Bachelor of Science, 1984

Graduate courses in economics and statistics, University of Vermont, 1986-87

SELECTED CLIENTS

Alberta Power	IPS Electric
Ameren Illinois	Lower Colorado River Authority
Arizona Public Service	Los Angeles Department of Water & Power
Atmos Energy	Midwest Gas
BC Hydro	Midwest Power
Boulder County (CO)	MidAmerican Energy
Burlington Electric Department	National Grid
Canadian Electrical Association	Newfoundland & Labrador Hydro
Cinergy	New York Power Authority
Chevron Energy Solutions	Nicor Gas
City Public Service (San Antonio, TX)	North Shore Gas
City Utilities (Springfield, MO)	Pacific Gas & Electric
City of Boulder, CO	Pennsylvania Public Utilities Commission
Commonwealth Edison	Peoples Gas
Colorado Governor's Energy Office	PSI/Energy
Colorado Natural Gas	Public Service Company of Colorado
Colorado Public Utilities Commission	Public Service Company of New Mexico
Colorado Springs Utilities	PSEG
Commonwealth Edison	Salt River Project
Electric Power Research Institute	SourceGas
E Source	Southwestern Public Service
Georgia Power	Southern California Edison
Hawaii Department of Business, Economic Development & Tourism	Texaco Ovonic Battery Systems
Iowa Power	Texaco Ovonic Hydrogen Systems
Iowa Utilities Association	Trane
	Vectren Retail

TESTIMONY BEFORE STATE PUBLIC UTILITIES COMMISSIONS

2010: Illinois Commerce Commission, Docket 10-0568
2008: Iowa Utilities Board, Docket EEP-08-2
2007: Illinois Commerce Commission, Docket 08-0108
2003: Iowa Utilities Board, Docket EEP-03-1
1996: Iowa Utilities Board, Docket EEP-95-3
1994: Iowa Utilities Board, Docket ECR-94-1
1994: Hawaii Public Utilities Commission, Docket 94-0206
1994: Iowa Utilities Board, Docket ECR-93-2
1993: Hawaii Public Utilities Commission, Docket 7257
1993: Colorado Public Utilities Commission, Docket 91A-481EG
1992: Iowa Utilities Board, Dockets EEP-91-8/92-1
1991: Iowa Utilities Board, Docket EEP-91-3
1988: Vermont Public Service Board, Docket 5270
1987: Vermont Public Service Board, Docket 5177

SELECTED PAPERS AND PUBLIC REPORTS

Attribution Issues, the Net Versus Gross Savings Debate. E Source Focus Report EDRP-F-35. Boulder, CO. May 30, 2010.

"Where are CFLs Going; Where are They Taking Energy-Efficiency Programs?" *Proceedings of the AESP 20th Annual Energy Services Conference and Expo.* Tuscon, AZ. February 2010.

"Energy Efficiency Goals: Are They Attainable?" *ACEEE's 5th National Conference on Energy Efficiency as a Resource.* Chicago, IL. September 2009.

"Find the Low Hanging Fruit: Efficiency Supply Curves as a Means to Understanding and Targeting Efficiency Savings." *Proceedings of the AESP 19th Annual Energy Services Conference and Expo*. San Diego, CA. February 2009.

"Leveraging Customer Satisfaction through Energy Efficiency." *Proceedings of the ACEEE 2006 Summer Study on Energy Efficiency in Buildings*. Pacific Grove, CA. August 2006.

"A Competitive Bidding Program to Encourage Industrial Energy Efficiency." *Proceedings of the ACEEE 2005 Summer Study on Energy Efficiency in Industry*. West Point, NY. July 2005.

"New Sources of Value for Energy Efficiency." *6th Annual E Source Residential Services Summit*. Denver, CO. November 2003.

"New Risk Management Techniques for Electricity Markets." *Energy Services Journal*. Spring 1996.

"Appropriate Treatment of Freeriders in Impact Evaluation." *Proceedings of the ACEEE 1994 Summer Study on Energy Efficiency in Buildings*. Pacific Grove, CA. August 1994.

"Dispatch from the Gas War Front: Issues in Calculating Fuel-Switching Cost-effectiveness." *Proceedings of the ACEEE 1994 Summer Study on Energy Efficiency in Buildings*. Pacific Grove, CA. August 1994.

"DSM as an Option for Relieving Distribution Capacity Constraints: The Labrador City Experience." *Proceedings of the DA/DSM Conference*. Orlando, FL. June 1994.

"Evaluation Under the Microscope of a Collaborative Process." *Proceedings of the 1993 Chicago Conference on DSM Program Evaluation*. Chicago, IL. August 1993.

"Lessons Learned from the Jasper Project." *Best Current Practices in Integrating DSM into T&D Planning: Proceedings from the Second Annual Workshop*. Electric Power Research Institute. August 1992.

"Environmental Impact of Residential Fuel Switching." *Proceedings of the ACEEE 1992 Summer Study on Energy Efficiency in Buildings*. Pacific Grove, CA. August 1992.

Direct Environmental Impacts of End-Use Technologies." *Proceedings of the DSM and the Global Environment Conference*. April 1991.

Michigan Regulatory Incentives Study for Electric Utilities. Michigan Regulatory Incentives Study. April 1991.

Environmental Impacts of End Use Technologies. Electric Power Research Institute. January 1991.

End-Use Technical Assessment Guide (End-Use TAG), Volume 4: Fundamentals and Methods. Electric Power Research Institute. Palo Alto, CA. April 1991.

Burlington Electric Department Long-Range Power Plan, 20-Year Plan. Burlington Electric Department. July 1988.

Long Range Electric Load Forecast and Analysis of Options and Costs. Vermont Department of Public Service. May 1987.

Vermont Twenty-Year Electric Plan, 1987 Revision. Vermont Department of Public Service. March 1987.