

TOPICS OF INTEREST

Resource procurement, short & long term purchase agreements for both electric & natural gas commodity, transmission, distribution, storage.

Wholesale and retail market design and analysis, BTM resources.

Natural gas markets, including LNG, renewable natural gas (RNG) and renewable diesel (RD), Sustainable Aviation Fuel (SAF)

Economic analysis, energy efficiency, cost-benefit and cost-effectiveness testing

Federal Electric Regulatory Commission (FERC) policy issues

Battery Energy storage

Integrated resource planning

Audit scope, infrastructure replacement programs

BACKGROUND

Daymark Energy Advisors
2009-Present

EMDEC Energy Management
Decisions
2000-2001

Cascade Natural Gas Corporation
1993-1999

J. Makowski Associates, Inc.
1990-1993

Boston Edison Company
1987-1988

Applied Expert Systems
1986-1987

Data Resources Inc.
1980-1986

EDUCATION

Melissa Whitten, CBE

Managing Consultant

Melissa Whitten joined Daymark Energy Advisors in 2009 with more than 25 years of experience in energy management and energy and financial consulting. Her work experience includes six years as Director of Gas Supply, Transportation and Storage for a fast-growing natural gas utility in the Northwest, plus several years with a major electric utility in the Boston area and an independent developer of natural gas-fired power projects in New England. She is experienced in supply, transportation and storage management, including LNG, supply pricing analysis, supplier evaluation and selection through competitive bidding and one-on-one contract negotiations, contract portfolio optimization, and commercial and industrial target market development. Her procurement experience in natural gas markets includes RNG and Renewable Diesel.

SELECTED EXPERIENCE

- Conduct annual renegotiation of natural gas supply contract for basis and commodity pricing plus terms of service, and assist with review of renewable diesel procurement. for a major governmental authority;
- Conducted management process review and audit of natural gas utility accelerated infrastructure replacement programs and supporting long-term capital plans, leak rates, risk ranking systems, and rate recovery mechanisms filed by gas utilities in three states.
- Evaluated the natural gas supply strategy, cost recovery, and DIMP plans for large electric and gas utilities in the mid-west and southwest.
- Optimized portfolio performance, renegotiating existing and structuring new supply contracts, as well as storage and pipeline capacity release transactions to offset firm contract costs and recover incremental value for ratepayers.
- Conducted annual RFPs for natural gas supply and carried out one-on-one negotiations for supply, transportation and storage assets, including utility and industrial customers; awarded contracts and monitored accounting and financial performance through contract close.
- Managed short- and long- term supply, transportation and storage contracts and innovative peak sharing services for \$100 million portfolio, selecting and negotiating with vendors for supply from four major natural gas supply basins across the US and Canada.
- Evaluated the long-term need and appropriate rate structure for a proposed utility owned LNG facility.
- Evaluated utility precedent agreements for recently proposed expansion projects on interstate natural gas pipelines, analyzing the cost-effectiveness, flexibility and reliability of the contract terms.
- Evaluated a major electric utility's capital plan to meet NERC enhanced cyber security requirements and protocols.

M.B.A., Finance and Information
Systems
University of Rochester

B.A., Economics
University of Massachusetts

Certified Business Economist (CBE)
National Association for Business
Economics

- Managed support team to assist mid-sized natural gas utility prepare for and submit their first major rate case in five years, oversaw development of revenue requirements, allocated cost of service, bill impacts models, prepared rate design proposal, prepared cost of service testimony for filing with public service commission, managed relationship with utility senior management.
- Participated on a team review of a major health center's energy service contract, including both service performance guarantees in Energy Services Agreement and embedded commodity pricing for market purchases and utility agreements.
- Managed review of Annual Capital Expenditure applications, including overseeing team member assignments, submission of discovery requests and preparation of evidence for filing with Nova Scotia Utility and Review Board.
- Submitted evidence for Nova Scotia Power application for performance reliability metrics, T&D distribution upgrades and hydro generation upgrade program, on behalf of the Nova Scotia Small Business Advocate.
- Conducted audits of affiliate transactions at Nova Scotia Power Inc. to ensure compliance with its separation requirements.
- Evaluated Nova Scotia Power application to increase rates, revise cost of capital structure and earnings sharing mechanism, and adopt a new accounting deferral mechanism for costs associated with electric generation transition plans.
- Contributed to merger review in Questar merger case – reviewing financial and corporate separation and the planned ring fencing to protect consumers in Utah.
- Reviewing impact of revisions to open access tariffs for two Northwestern utilities to appropriately account for stranded costs when large customers choose to wheel power or disconnect.

PRESENTATIONS, ENERGY ORGANIZATION MEMBERSHIPS

- Presented on Gas LDC Challenges in a Decarbonized World, market overview for Renewable Natural Gas and Hydrogen alternate fuels at 2022 Energy Bar Association (EBA) Annual Meeting, Washington D.C.
- Moderated Panel on Alternative Fuels for 2023 Northeast Energy & Commerce Association (NECA) 2023 Annual Fuels Conference, Boston, MA, September 2023.
- Presented on Blockchain for Energy to National Association of State Utility Commissioners (NASUCA) Gas Committee, May 2018.
- Participate in National Association for Business Economics (NABE) Energy Meetup.
- Active Member of NECA since 2009, and EBA since 2021.
- Member of NABE and CBE since 2018.
- Attend NABE Continuing education at Transfer Pricing and AI Tech Symposiums.

EXPERT TESTIMONY

FORUM	ON BEHALF OF	MATTERS
Massachusetts Public Utility Commission	Blackstone Gas Company ("Blackstone")	DPU 14-92 and DPU 17-122, in support of Blackstone's long-term gas supply contracts. DPU 18-15, Investigation by the Department of Public Utilities, on its own Motion, into the Effect of the Reduction in Federal Income Tax Rates on the Rates Charged by Electric, Gas, and Water Companies, May 1, 2018 DPU 18-154, in support of Blackstone's Long-Range Forecast and Resource Plan for 2018 through 2023, July 2, 2019.
U.S. Federal Energy Regulatory Commission (FERC)	Utility Intervention Unit New York State Department of State	RM 16-17 (FERC Order 760) "Connected Entity Rule" outlining inputs market participants must file, including a LEI for all qualified affiliates, to allow FERC and RTO market monitors to perform data collection and analytics for market surveillance and to detect market manipulation. Comments filed on Jan 27, 2016 as Submittal 20160127-5076
FERC (originally submitted to WUTC)	Cascade Natural Gas Corp	RP 94-220 Northwest Pipeline rate case analysis of benefits of postage stamp rate and conjunctive billing rights.
Arkansas Public Service Commission	General Staff of the Arkansas Public Service Commission	Docket No. 18-057-U CenterPoint Energy Arkansas Application for Approval of Upstream Services Contracting Process and Contracts Resulting Therefrom, October 2018 Docket No. 07-044-U Summit Utilities Arkansas Review of Winter Storm URI Extraordinary Gas Costs and GSR surcharge for 2021 through March 2023. Docket No. 07-045-U Black Hills Energy Arkansas Review of Winter Storm URI Extraordinary Gas Costs and GSR surcharge for 2021 through March 2023.
Maryland Public Service Commission	Maryland Office of Peoples Counsel	Case No. 9500 Baltimore Gas & Electric, 2013 Case No. 9510 Columbia Gas of Maryland, 2015, 2016 Case No. 9509 Washington Gas 2015, 2013 Provided live testimony in support of colleague's testimony in Infrastructure Replacement Surcharge (STRIDE) Proceedings: Case No. 9335 Washington Gas Case No. 9332 Columbia Gas of Maryland o Case No. 9355 Baltimore Gas & Electric

FORUM	ON BEHALF OF	MATTERS
Massachusetts Public Utility Commission	Attorney General's Office	DPU 14-64, NSTAR Gas Company request for approval of a new contract with the affiliate Hopkinton LNG Corp. ("HOPCO") facilities. DPU 14-111, Joint Petition by Massachusetts Gas Utilities for Emergency Authorization to plan for a portion of the gas-supply requirements of capacity- exempt transportation customers converting to Default Service between November 1, 2014 and April 30, 2015. DPU 14-130 ... 135, Gas System Enhancement Plan (GSEP) tariff mechanism.
Michigan Public Service Commission	Michigan Environmental Council	Case No. U-1 7981, Consumers Energy Power Supply Cost Recovery Plan, 2016
Pennsylvania Public Utilities Commission	Pennsylvania Office of Consumer Advocate	R-2014-2456648, Peoples TWP LLC 1307(f) PGC Filing, 2015 R-2014-2399598, Peoples TWP LLC 1307(f) PGC Filing, 2014 R-2015-2469665, R-2016-2531807 Columbia Gas of Pennsylvania 1307(f) PGC Filing, 2015, 2016.
New Hampshire Public Utilities Commission	Commission Staff	DG 14-380 Liberty Utilities (d/b/a Energy North) Petition for Approval of Firm Transportation Agreement with Tennessee Gas Pipeline Company LLC.
Nova Scotia Utilities and Review Board	Nova Scotia Small Business Advocate	M11692 Nova Scotia Power Storm Cost Recovery Rider M11458 Nova Scotia Power 2024 Annual Capital Expenditure Plan M11220 Nova Scotia Power Application for Approval of a Decarbonization Deferral Account M11169 Nova Scotia Power for 2022 ACE Plan Distribution Routines D008 – Provincial Storm and D061 – New Customers Residential ATO for \$9,699,868 M10431 Nova Scotia Power Application for Changes to Rates, Charges and Regulations for 2022 through 2024 M10400 Nova Scotia Power 2022 Nova Scotia Power (NS Power) CI 46075 – IT – T&D WAM Phase 2 Work Management and Scheduling & Dispatch Upgrade M09288 Nova Scotia Power 2020-2022 Fuel Stability Plan M09273 Nova Scotia Power Request for Approval of Firm Gas Transportation Contracts M07755 Nova Scotia Power 2016 Affiliate Code of Conduct Audit M07611 Nova Scotia Power 2016 Fuel Adjustment Mechanism (FAM) Audit M07348 Nova Scotia Power 2017-2019 Fuel Stability Plan M06962 Nova Scotia Power 2016 Base Cost of Fuel Filing
Ohio Public Utilities Commission	Commission Staff	Case 20-1634-GA-ALT Dominion Energy Ohio (DEO), 2023 Pipeline Infrastructure Replacement (PIR) Program Interim Review pursuant to PUCO/DEO Joint Settlement of management, processes and results of 25-year plan.
Texas Railroad Commission	Texas Coast Utilities Coalition	GUD No. 10567 CenterPoint Energy Texas Request for Rate Increase, Feb 2017