

EXHIBIT NO. ___(MFB-2)
DOCKET NO. UG-15___
WITNESS: MELISSA F. BARTOS

**BEFORE THE
WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION**

In the Matter of the Petition of

PUGET SOUND ENERGY, INC.

**for (i) Approval of a Special Contract for
Liquefied Natural Gas Fuel Service with
Totem Ocean Trailer Express, Inc. and
(ii) a Declaratory Order Approving the
Methodology for Allocating Costs
Between Regulated and Non-regulated
Liquefied Natural Gas Services**

DOCKET NO. UG-15___

**FIRST EXHIBIT (PROFESSIONAL QUALIFICATIONS) TO THE
PREFILED DIRECT TESTIMONY OF MELISSA F. BARTOS
ON BEHALF OF PUGET SOUND ENERGY, INC.**

AUGUST 11, 2015

1 **PUGET SOUND ENERGY INC.**

2 **FIRST EXHIBIT (PROFESSIONAL QUALIFICATIONS) TO THE**
3 **PREFILED DIRECT TESTIMONY OF MELISSA F. BARTOS**
4 **ON BEHALF OF PUGET SOUND ENERGY, INC.**

5 **Q. Please state your name, business address, and occupation.**

6 A. My name is Melissa F. Bartos. My business address is 293 Boston Post Road
7 West, Suite 500 Marlborough, MA 01752. I am an Assistant Vice President, at
8 Concentric Energy Advisors, Inc. (“Concentric”).

9 **Q. What are some of your duties as Assistant Vice President at Concentric?**

10 A. As Assistant Vice President at Concentric, I serve as a financial and economic
11 consultant focused on North American natural gas market matters. In the last
12 several years, I have conducted several comprehensive natural gas market
13 assessments for various clients considering infrastructure investments and
14 developed detailed demand forecasts for a number of gas distribution companies.
15 I have also provided expert testimony regarding various natural gas issues,
16 including demand forecasting, supply planning, and incentive ratemaking.

17 **Q. Please describe your education and relevant employment experience.**

18 A. I received a Bachelor of Arts (B.A.) from the College of the Holy Cross in 1998
19 with concentrations in Mathematics, Computer Science and Psychology. I
20 received a Master of Science (M.S.) from the University of Massachusetts at
21 Lowell in 2003 with concentrations in Mathematics and Statistics.

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I started my career with Navigant Consulting, Inc. (formerly Reed Consulting Group). In 2002, I joined Concentric as a Senior Consultant and have since been promoted first to Project Manager and then to Assistant Vice President.

Please see Attachment A to this Exhibit No. ____ (MFB-2) for a more comprehensive resume and testimony list.

Attachment A to this Exhibit No. ____ (MFB-2)

Melissa F. Bartos
Assistant Vice President

Ms. Bartos is a financial and economic consultant with more than eighteen years of experience in the energy industry. In the last several years, she has focused on natural gas markets issues, including conducting comprehensive market assessments for various clients considering infrastructure investments and developing detailed demand forecasts for a number of gas distribution companies. Ms. Bartos has also designed, built, and enhanced numerous financial and statistical models to support clients in asset-based transactions, energy contract negotiations, reliability studies, asset and business valuations, rate and regulatory matters, cost-of-service analysis, and risk management. Her modeling experience includes building Monte-Carlo simulation models, designing an allocated cost-of-service model, statistical modeling using SPSS, and programming using Visual Basic for Applications (VBA). Ms. Bartos has also provided expert testimony regarding natural gas issues, including demand forecasting, supply planning, and incentive ratemaking.

REPRESENTATIVE PROJECT EXPERIENCE

Natural Gas Market Assessments

- Reviewed and evaluated long-term natural gas supply and demand, existing natural gas pricing dynamics, and future implications associated with new natural gas infrastructure in New England, New York, and New Jersey.
- Provided an analysis of the existing Gulf Coast natural gas market, the client's natural gas pipeline competitors, changing flows, and how those factors may affect transportation values to the client going forward.
- Prepared a comprehensive study examining the costs associated with improving natural gas pipeline access from western Canada and the eastern U.S. to Atlantic Canada.
- Produced a report on the benefits associated with incremental natural gas supplies delivered to New York City.
- Prepared an independent natural gas supply and pipeline transportation route assessment associated with natural gas for the client's proposed LNG export terminal.

Natural Gas Expansion

- Conducted a study that examined potential commercial and industrial conversions from oil-based fuels to natural gas in various east coast U.S. markets.
- Produced a report that identified growth potential in off-system stationary and mobile markets in the mid-west that could be served by compressed natural gas or liquefied natural gas.
- Performed an external audit and filed expert testimony associated with two natural gas utilities' hurdle rate/contribution in aid of construction calculations for new off main customers.
- Produced a report that identified and reviewed innovative cost model approaches that utilities and regulators are using across the U.S. that allow expansion of gas distributions systems to new communities.
- Assisted in developing a strategy to identify residential natural gas growth opportunities within the client's franchise area.
- Presented at two Northeast Gas Association conferences regarding "Regulatory Policy and Residential Main Extensions".

Demand Forecasting

- Filed expert testimony regarding the development of demand forecast models and the evaluation of natural gas resource plans for multiple northeast gas utilities.
- Provided litigation support regarding demand forecasting techniques with respect to certain natural gas pipeline and storage decisions for a mid-west gas utility.
- Reviewed demand forecasting practices and procedures and recommended certain changes to improve the methodology and accuracy of the forecast for a multi-state utility.
- For a mid-west gas utility, developed a natural gas demand forecast that was utilized for supply and capacity decisions.

Ratemaking and Utility Regulation

- Participated in the rate case of a large North American gas distribution company, which determined the client's five-year incentive regulation plan, including performing benchmarking and productivity analyses that were filed with the regulator.
- Developed a marginal cost study, including data collection, analysis and testimony development, in support of rate case filings for a number of New England utilities.
- Provided comprehensive analysis, drafted testimony and provided litigation support regarding the appropriate return on equity for a New England water utility, and for proposed wind and coal electric generation facility additions for a mid-west combination utility.
- Performed a detailed analysis of the components included in the client's lost and unaccounted for gas calculation.
- Conducted multiple natural gas portfolio asset optimization analyses to evaluate performance of the client's asset manager for regulatory purposes.
- On behalf of multiple New England gas companies, participated in the 2009 Avoided Energy Supply Cost Study Group (for New England), which worked with third-party consultants to develop the marginal energy supply costs that will be avoided due to reductions in the use of electricity, natural gas, and other fuels resulting from energy efficiency programs.
- Conducted a study to determine the cost of significantly reducing peak day natural gas demand for a northeast gas utility through energy efficiency, conservation and demand management measures. Project involved researching natural gas energy efficiency plans in multiple U.S. states and Canadian provinces, reviewing energy efficiency potential studies, and exploring geothermal, peak pricing and direct load control options.

PROFESSIONAL HISTORY

Concentric Energy Advisors, Inc. (2002 – Present)

Assistant Vice President
Project Manager
Senior Consultant

Navigant Consulting, Inc. (1996 – 2002)

Senior Consultant

PROFESSIONAL ASSOCIATIONS

Member of the American Statistical Association
Member of the Northeast Energy and Commerce Association
Member of the Northeast Gas Association

EDUCATION

M.S., Mathematics (Statistics), University of Massachusetts at Lowell, 2003
B.A., Mathematics and Psychology, Computer Science minor, College of the Holy Cross, magna cum laude,
1998

SPONSOR	DATE	CASE/APPLICANT	DOCKET NO.	SUBJECT
Connecticut Public Utilities Regulatory Authority				
Connecticut Natural Gas Corporation & Southern Connecticut Gas Company	2014	Connecticut Natural Gas Corporation & Southern Connecticut Gas Company	Docket No. 13-06-02	CIAC Hurdle Rate Calculation
Maine Public Utilities Commission				
Northern Utilities, Inc.	2011	Northern Utilities	Docket No. 2011-526	Integrated Resource Plan; Demand Forecast
Massachusetts Department of Public Utilities				
New England Gas Company	2008	New England Gas Company	D.P.U. 08-11	Integrated Resource Plan; Demand Forecast; Supply Planning
New England Gas Company	2010	New England Gas Company	D.P.U. 10-61	Integrated Resource Plan; Demand Forecast; Supply Planning
Berkshire Gas Company	2010	Berkshire Gas Company	D.P.U. 10-100	Integrated Resource Plan; Demand Forecast
New England Gas Company	2012	New England Gas Company	D.P.U. 12-41	Integrated Resource Plan; Demand Forecast; Supply Planning
Berkshire Gas Company	2012	Berkshire Gas Company	D.P.U. 12-62	Integrated Resource Plan; Demand Forecast
NSTAR Gas Company	2014	NSTAR Gas Company	D.P.U. 14-63	Integrated Resource Plan; Demand Forecast
Berkshire Gas Company	2014	Berkshire Gas Company	D.P.U. 14-98	Integrated Resource Plan; Demand Forecast
New Hampshire Public Utilities Commission				
Northern Utilities, Inc.	2011	Northern Utilities	DG 2011-290	Integrated Resource Plan; Demand Forecast

SPONSOR	DATE	CASE/APPLICANT	DOCKET NO.	SUBJECT
New Jersey Board of Public Utilities				
South Jersey Gas Company	2015	South Jersey Gas Company	GR15010090	Energy Efficiency Cost Benefit Analysis
Ontario Energy Board				
Enbridge Gas Distribution	2012	Enbridge Gas Distribution	EB-2011-0354	Industry Benchmarking Study
Enbridge Gas Distribution	2013	Enbridge Gas Distribution	EB-2012-0459	Incentive Rate Making
Régie de l'énergie du Québec				
TransCanada Pipelines Ltd.	2014	TransCanada Pipelines Ltd.	R-3900-2014	Natural Gas Market Assessment