

Exhibit No. __ (JSG-3)
Docket No. UG-17____
Witness: J. Stephen Gaske

**BEFORE THE
WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION**

WASHINGTON UTILITIES AND
TRANSPORTATION
COMMISSION,
Complainant,

v.

CASCADE NATURAL GAS
CORPORATION,
Respondent.

DOCKET UG-17____

CASCADE NATURAL GAS CORPORATION

EXHIBIT OF J. STEPHEN GASKE

RESUME OF J. STEPHEN GASKE

July 31, 2017

J. Stephen Gaske, Ph.D.
Senior Vice President

Steve Gaske has more than 30 years of experience as an economic consultant, researcher, and professor in the fields of public utility economics, finance, and regulation. Dr. Gaske has provided consulting services in more than 300 regulatory, antitrust, tax, and civil proceedings. In addition, he has presented expert testimony in more than 100 state, provincial, and federal regulatory commission hearings in Canada, the U.S. and Mexico.

AREAS OF EXPERTISE

His specialty is the application to regulated industries of inter-related principles from economics, finance and regulatory theory. His areas of expertise include:

- Finance, cost of capital, and risk analysis;
- Rate design, cost allocation, cost of service, and pricing of services;
- Energy markets and the economics of public utilities and energy infrastructure;
- Competition and antitrust principles; and
- Regulatory economics, rules, and policies.

INDUSTRY EXPERTISE

His work has involved:

- Most of the major natural gas pipelines in North America;
- Many electric utilities;
- Many natural gas distribution companies;
- Several major oil pipelines;
- Railroads;
- Postal Service;
- Telephone and satellite telecommunications companies; and
- Sewer and water companies.

REPRESENTATIVE PROJECT EXPERIENCE

Some of the projects on which Dr. Gaske has worked include:

- Advisor to numerous U.S. and Canadian pipelines on economics, pricing strategies and regulatory matters;
- Development of computerized cost of service models for calculating both traditional and levelized rates for gas and oil pipelines, and rates for electric utilities;

- On behalf of a new, greenfield pipeline designed to carry Canadian gas to U.S. New England markets he served as the rate and financial advisor during the development, permitting and financing stages.
- A variety of White Papers on technical aspects of calculating the allowed rate of return for regulated companies, including white papers submitted in proceedings involving FERC generic rate of return for electric utilities, FERC rate of return for gas and oil pipelines, Canadian rate of return for pipelines and utilities;
- An analysis of the applicability of various finance theories to telephone ratemaking by the U. S. Federal Communications Commission;
- A study of the economic structure, risks and cost of capital of the satellite telecommunications industry;
- Author of several issues of the H. Zinder & Associates Summary of Natural Gas Pipeline Rates;
- Several studies of regional natural gas market competition, market power, pricing and capacity needs;
- An evaluation of Federal Energy Regulatory Commission policies designed to promote liquidity in the natural gas commodity markets;
- Numerous studies of electric rate, regulatory and market issues such as canceled plant treatment, time-differentiated rates, non-utility generation, competitive bidding, and open-access transmission;
- Author of two updates of the Edison Electric Institute Glossary of Electric Utility Terms;
- Several studies of pricing, contract provisions, competitive bidding programs, and transmission practices for independent electric generation; and,
- Several reports and projects on incentive regulation and the application of price cap regulation to both electric and natural gas companies.

LITIGATION SUPPORT AND EXPERT TESTIMONY

Dr. Gaske has testified or filed testimony or affidavits in more than 100 regulatory proceedings on the following topics:

| Commission | Topic |
|------------------------------------|--|
| Alaska Regulatory Commission | Oil Pipeline Rate of Return/Rate Base |
| Alberta Energy and Utilities Board | Gas Pipeline Cost Allocation/Rate Design |

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| Alberta Utilities Commission | Utility Cost of Capital; Gas Pipeline Contracts and Market Power |
| Colorado Board of Assessment Appeals | Property Tax Discount Rate |
| U.S. Economic Regulatory Administration | Gas Distribution Rate Design |
| U. S. Federal Energy Regulatory Commission | Electric Transmission Rate of Return; Gas Pipeline Cost Allocation and Rate Design; Rate of Return and Capital Structure; Competition; Revenue Requirements; Oil Pipeline Rate of Return and Pricing |
| Idaho Public Utilities Commission | Gas Distribution Rate of Return |
| Indiana Utilities Regulatory Commission | Electric Cost Allocation/Rate Design |
| Iowa Utilities Board | Electric Avoided Costs/Externalities |
| Maine Public Utilities Commission | Electric Rate Design/Demand Management |
| Comision Reguladora de Energia de México | Gas Pipeline Rate of Return |
| Montana Public Service Commission | Electric/Gas Distribution Rate of Return; Electric Cost Allocation and Rate Design |
| Minnesota Public Utilities Commission | Gas Distribution Rate of Return |
| National Energy Board of Canada | Gas Pipeline Cost Allocation and Rate Design; Oil Pipeline Service Structure and Rates |
| New Mexico Regulatory Commission | Electric Rate of Return |
| New York Public Service Commission | Gas Pipeline Capital Structure |
| New Brunswick Energy and Utilities Board | Gas Distribution Ratemaking |
| North Dakota Public Service Commission | Electric/Gas Distribution Rate of Return; Natural Gas Market Pricing; Electric Cost Allocation and Rate Design |
| Nova Scotia Utility and Review Board | Cost Allocation and Pricing of Bridge Access |

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| Ontario Energy Board | Rate of Return; Access to and Pricing of Gas Pipeline Expansions; LNG Regulation |
| U.S. Postal Rate Commission | Postal Pricing/Rate Design |
| Régie de l'énergie du Québec | Rate of Return/Regulatory Principles |
| South Dakota Public Utilities Commission | Gas Distribution Rate of Return |
| Texas Public Utilities Commission | Electric Cost Allocation and Rate Design |
| Texas Railroad Commission | Gas Pipeline Cost Allocation/Rate Design |
| Washington Utilities and Transportation Comm. | Gas Distribution Rate of Return |
| Wisconsin Public Service Commission | Electric Generation Economics |
| Wyoming Public Service Commission | Electric/Gas Distribution Rate of Return |
| Wyoming Board of Equalization | Property Tax Discount Rate |

TEACHING/SPEAKING ENGAGEMENTS

Dr. Gaske has spoken on utility finance and economic issues before numerous professional groups. From 1983-1986, he served as Coordinator of the Edison Electric Institute Electric Rate Fundamentals Course. He has lectured on marginal cost estimation for electric utilities at the EEI rate course, and on both low-income rates and natural gas pipeline cost allocation and rate design before the American Gas Association Gas Rate Fundamentals Course. In addition, Dr. Gaske has taught college courses in Public Utility Economics, Transportation, Physical Distribution, Financial Management, Investments, Corporate Finance, and Corporate Financial Theory.

PROFESSIONAL HISTORY

CONSULTING

Concentric Energy Advisors, Inc. (2008 – present)

Senior Vice President

H. Zinder & Associates (1988 – 2008)

President/Senior Vice-President/Consultant

Independent Consulting on Public Utility Issues (1982 - 1988)

Olson & Company, Inc. (1980 – 1981)

Public Utility Consultant

H. Zinder & Associates (1977 – 1980)

Research Assistant and Supervisor of Regulatory Research

ACADEMIC/TEACHING

Trinity University (1986 – 1988)

Assistant Professor of Finance

Indiana University School of Business (1982 - 1986)

Associate Instructor of Public Utilities and Transportation

Northern Virginia Community College (1978)

Lecturer in Accounting

EDUCATION

Ph.D., Indiana University School of Business, 1987

M.B.A., George Washington University, 1977

B.A., University of Virginia, 1975

PROFESSIONAL ASSOCIATIONS

American Economic Association

American Finance Association

American Gas Association Rate Committee (1989-2001)

Energy Bar Association

Financial Management Association
