

**BEFORE THE WASHINGTON
UTILITIES AND TRANSPORTATION COMMISSION**

In the Matter of the Application of

PUGET SOUND ENERGY

For an Order Authorizing the Sale of All of
Puget Sound Energy's Interests in Colstrip Unit
4 and Certain of Puget Sound Energy's
Interests in the Colstrip Transmission System

DOCKET UE-200115

EXH. MSG-02

WITNESS QUALIFICATION

ON BEHALF OF

NW ENERGY COALITION AND

RENEWABLE NORTHWEST

October 2, 2020

Michael Goggin

Education:

Harvard University class of 2004, B.A.

- Graduated *cum laude* in Social Studies
- Wrote thesis “Is it Time for a Change? Science, Policy, and Climate Change”

Experience:

Grid Strategies Vice President February 2018-present

- Serve as an expert consultant on electricity transmission, grid integration, reliability, market, and public policy issues for environmental and clean energy industry clients

AWEA Senior Director of Research, other titles February 2008-February 2018

- Led team responsible for all AWEA policy analysis and data collection
- Served as primary technical and economic expert for market design, transmission, grid integration, carbon policy, and other topics
- Authored regulatory filings at state (IRP and transmission siting cases), regional (ISO transmission and market design), and federal (FERC transmission, interconnection standard, grid integration, and market design cases; EPA carbon policy) levels
- Directed economic and power sector modeling to inform AWEA’s policy strategy and support advocacy positions
- Communicated with the press and policy makers about wind energy
- Authored reports to promote AWEA’s policy agenda, rebut misconceptions about wind energy, and explain complex energy topics to lay audiences
- Other titles included Electric Industry Analyst, Senior Analyst, Manager of Transmission Policy, Director of Research

Sentech, Inc. Research Analyst October 2005-February 2008

- Conducted economic analyses of solar, wind, geothermal, and energy storage technologies for Department of Energy officials
- Provided analytical support for DOE’s renewable energy R&D funding decisions

Union of Concerned Scientists Clean Energy Intern May 2005-October 2005

- Worked with the legislative and field staff to promote the inclusion of pro-renewable energy measures in the Energy Policy Act of 2005

State Public Interest Research Groups Policy Analyst August 2004-May 2005

- Analysis and writing of renewable energy policies at the state and federal level

Selected Publications:

- M. Milligan, et al., “Impact of Electric Industry Structure on High Wind Penetration Potential,” NREL Technical Report TP-550-46273
- R. Gramlich and M. Goggin, “What’s Next for Wind Power,” March 2013, Electricity Journal
- Michael Goggin, “Wind Energy’s Emissions Reductions: A Statistical Analysis,” presented at 2013 IEEE PES annual conference
- R. Gramlich and M. Goggin, “The Ability of Current U.S. Electric Industry Structure and Transmission Rules to Accommodate High Wind Energy Penetration,” 7th International Workshop on Large Scale Integration of Wind Power