

PROFESSIONAL BACKGROUND AND EDUCATION

EDUCATION

OCS EXHIBIT 5.1D

- M.S. **Agricultural and Resource Economics**
Colorado State University, Fort Collins, CO, 2013
- Minor **Mathematics**
Western Washington University, Bellingham, WA, 2011
- B.A. **Environmental Economics**
Western Washington University, Bellingham, WA, 2006

EMPLOYMENT

2018 - Present	Director, Strategen Consulting
2013 – 2017	Utilities Economist, Antitrust and Utilities Division, Office of the Minnesota Attorney General
2012 – 2013	Consulting Economist, United States Geological Survey
2011 – 2013	Economic Research Assistant, Colorado State University

PREVIOUS TESTIMONY

Company	Docket No.	Subject
Minnesota Power*	E-002/GR-19-442	ECOSS and low-income rate design
Pennsylvania Power and Light	P-2019-3010128	DER integration and management
Eversource	DE 19-057	ECOSS, MCOSS, Rate Design, Decoupling, and Performance-Based Regulation
Liberty Utilities	DE 19-064	MCOSS, Rate Design, and Performance-Based Regulation
Oklahoma Gas and Electric	201800140	CCOSS and Rate Design
Public Service Company of Oklahoma	201800096	Rate Design and Performance-Based Regulation
Vectren Energy Delivery of Ohio	18-0298-GA-AIR	CCOSS and Rate Design
Commonwealth Edison	18-0753	Distributed Generation Rebates
Ameren Illinois Company	18-0537	Distributed Generation Rebates
Oklahoma Gas and Electric	201700496	CCOSS and Revenue Apportionment
Minnesota Power	E-002/GR-16-664	CCOSS, Rate Design, and the Utility Business Model
Otter Tail Power	E-002/GR-15-1033	Marginal and Embedded CCOSS and Rate Design
Xcel Energy	E-002/GR-15-826	CCOSS, Rate Design, and Performance-Based Regulation
Minnesota Energy Resources Corp.	G-011/GR-15-736	CCOSS and Rate Design
CenterPoint Energy	E-002/GR-15-424	CCOSS and Rate Design
Dakota Energy Association	E-002/GR-14-482	CCOSS and Rate Design

Xcel Energy	E-002/GR-13-868	CCOSS and Rate Design
Minnesota Energy Resources Corp.	G-011/GR-13-617	CCOSS
CenterPoint Energy	G-008/GR-13-316	CCOSS

*Settled before direct was filed