

Peter Schommer

Manager, Power Delivery & Asset Management
ALLETE/Minnesota Power ("MP")
30 West Superior Street, Duluth, MN 55802
218-355-2639, pschommer@mnpower.com

Education:

- University of Minnesota, May 2002, Master of Science Electrical Engineering, Concentration in Power Systems
- St. John's University, May 2000, Bachelor of Arts, Physics, Mathematics minor

Training: Professional Engineer Minnesota (PE), MN PE License #49130

Professional Experience:

Manager, Power Delivery & Asset Management, October 2021 – Present (MP)

- Responsible for engineering teams that design, construct, maintain, and operate transmission substations and transmission line. The MP transmissions system consists of 500kV, 230kV, 161kV, 138kV, 115kV and an HVDC system.
- Substation engineering covers all aspects of engineering including control, physical electrical, Supervisory Control and Data Acquisition ("SCADA"), civil/structural, and protection.
- The Transmission Structural Engineering team designs and constructs the transmission lines.
- Responsible for capital and operations and maintenance ("O&M") budgets to carry out MP's annual and long term strategies.

Supervising Engineer – Power Delivery Engineering ▪ July 2015 – October 2021 (MP)

- Supervise and develop a team of 14 engineers and designers on all aspects of substation engineering: civil, physical electrical, control electrical and SCADA, to execute large capital projects, asset renewal and asset management.
- Annual budgeting, operation, and long term capital replacement planning for the Square Butte HVDC System.
- Re-established a maintenance engineer role within the department to improve and modernize MP's asset management program.
- Worked with management to collaboratively identify several initiatives currently in progress to increase efficiency within the department including a strategy for purchasing, consultant utilization, and documenting design standards and practices.
- Asset supervisor within NERC Critical Infrastructure Protection (CIP) program for the HVDC control system, SCADA devices, and Warroad Series Compensation control system.
- Participating as topic expert on industry groups including EEI Spare Transformer Equipment Program, AEIC Apparatus Committee, CIGRE HVDC B4 Committee (International committee) and ABB HVDC User's Group.

Supervising Engineer/Engineer Senior – System Performance ▪ January 2014 – July 2015 (MP)

- Progressed to Supervising Engineer in July 2014, 6 months after promotion to Engineer Senior.
- Supervised the O&M of the Square Butte HVDC system with a team of four engineers and technicians.
- Developed the capital budgets and long-term capital replacement plans for Square Butte HVDC system.

Engineer II – System Performance ▪ May 2007 – January 2014 (MP)

- Provided leadership and held HVDC engineering responsibilities since 2011.
- Provided project management for several high profile HVDC projects including the \$5 million HVDC bushing replacement and 50 MW upgrade.
- Trained and developed new employees to ensure a smooth transition of power system modeling and NERC Transmission System Planning Performance (TPL) standard compliance.
- Supervised engineering intern to add better transformer details into power system models and develop my leadership skills.
- Lead and implemented the deployment of the first synchrophasors on the MP system and participated in the first round of the North American Synchrophasor Initiative along with six other US companies.
- Performed and lead complex AC system studies including outage coordination, operational studies, and planning studies to help ensure MP's system reliability on an ongoing basis.
- Chair and Vice Chair roles with MN Transmission Assessment and Compliance Team.

Shift Operations Engineer ▪ August 5, 2002 – April 17, 2007

Midwest ISO ▪ 2985 Ames Crossing Rd, Eagan, MN 55121

- Worked with and built relationships with a broad multi-region operational team with two locations to coordinate key engineering studies needed for the daily reliability of the Midwest Electric System.
- Daily outage coordination for MISO West Reliability Region.
- State Estimation and offline Power System Simulation for Engineering (PSS/E) studies to ensure reliability of the Bulk Electric System.
- Participated and developed Power System Restoration drill scenarios.

Kent Ogston

Director - Engineering Services
ALLETE/Minnesota Power ("MP")
30 West Superior Street, Duluth MN 55802
218-391-1362, kogston@mnpower.com

Education:

Mankato State University, December 1994, Bachelor of Science Electrical Engineering (BSEE)

Training: Professional Engineer (PE) Minnesota (MN) and Wisconsin (WI)

- MN PE License #42050
- WI PE License #35889

Professional Experience:

Director – Engineering Services, December 2022 –Present (MP)

- Provide leadership for multidiscipline engineering, inspection, drafting and document management group.
- Provide primary support and lead base capital projects in generation and transmission areas of MP.
- Directly responsible for development, design, and internal/external resource, supply chain management and safety program for capital projects being developed approaching \$3 billion.

Manager – Facility and Office Support Services, October 2018 – December 2022 (MP)

- Provide leadership for Facility Management Group.
- Maintain and lead capital improvement projects in Minnesota Power Service Centers and ALLETE downtown campus buildings.
- Initiate Records Management standardization for retention policies across ALLETE to be aligned with federal standards.
- Develop and implement Production Services Group process improvements aligning with ALLETE sustainability and budget reduction goals.

Manager – Engineering Services, March 2015 – October 2018 (MP)

- Directly responsible for planning and directing electrical and Mechanical engineering groups on maintenance and large capital reliability projects in Generation Facilities.
- Long range planning and design support related to Generation facilities' reliability and electrical safety/arc flash mitigation program, ensuring safety and budget goals are achieved.

Supervising Engineer, Engineering Services, December 2012 - March 2015 (MP)

- Provide leadership for electrical and mechanical engineering group that provides maintenance and capital project support for MP generation facilities.
- Assist and assign appropriate projects for electrical and mechanical staff.
- Develop and manage the MP generation arc flash mitigation and electrical infrastructure reliability enhancements program and associated capital projects.

Electrical Engineer II/ Senior, Engineering Services, September 2001- December 2012 (MP)

- Direct oversight and leadership of the MP generator maintenance program for steam and hydro facilities, including repair and rewind work on large steam turbine and hydro generators.
- Design and manage projects associated with maintaining generators, motors, electrical switchgear and medium voltage power cabling in MP steam and hydro generation facilities.
- Provide training for plant electrical and engineering staff.

Electrical Engineer, July 1997- September 2001 (Lakehead Pipeline, Superior, WI)

- Engineering, design, and project/contract management for pumping station modernization projects.
- Technical responsibilities include Programmable Logic Controller (PLC) programming, control and power system design, and troubleshooting of electrical systems during the start-up of oil and gas pipe line pumping stations.

Electrical/Maintenance Supervisor, June 1995 - June 1997 (Viracon, Owatonna, MN)

- Layout, assign and supervise maintenance and capital projects in a glass fabrication industrial setting.
- Directly manage union electrical/maintenance personnel 24/7.
- Directly responsible for ensuring maintenance department budget and reliability goals are met.

David R. Moeller

Senior Regulatory Counsel
ALLETE/Minnesota Power ("MP")
30 West Superior Street, Duluth, MN 55802
218-723-3963, dmoeller@allete.com

Education:

Macalester College, B.A. Political Science and Urban Studies, University of Minnesota Law School, J.D.

Training: Bar Admissions to State of Minnesota, State of North Dakota, State of Wisconsin, United States Supreme Court, United States Eighth Circuit Court of Appeals, United States Sixth Circuit Court of Appeals, United States Federal District Court of Minnesota, United States Federal District Court of Western Michigan, United States Federal District Court of North Dakota

Professional Experience:

- Senior Regulatory Counsel, February 2022 – Present (MP)
- Senior Attorney and Director of Regulatory Compliance, May 2019 – February 2022 (MP)
- Attorney/Senior Attorney, April 2005 – May 2019 (MP)
- Staff Attorney and Interim Executive Director, 2000 – April 2005 (Farmers' Legal Action Group (FLAG))
- Associate Attorney, 1999 – 2000 (Lindquist & Vennum)
- Lobbyist/Attorney, 1998-1999 (Flaherty & Hood)
- Intern, 1997-1998 (Saint Paul Port Authority)

Additional Credentials:

Current:

- Duluth Library Foundation Board of Directors, President
- Rajala Woods Foundation, Board of Directors, Secretary
- Minnesota State Bar Association – Public Utilities Law Section, Board of Directors

Prior:

- St. Louis River Quest, Board of Directors
- Minnesota Legal Services Advisory Committee (LSAC), Board Member
- American Agricultural Law Association (AALA), Board Member
- Leadership Minnesota (Minnesota Chamber of Commerce), Participant

Guest speaker at the University of Minnesota Law School, University of Minnesota-Duluth, Midwest Governors Association, Minnesota State Bar Association Continuing Legal Education seminars and others focused on MP's Great Northern Transmission Line (GNTL) development and obtaining a Presidential Permit from the United States Department of Energy.

Daniel W. Gunderson

Vice President – Transmission & Distribution
ALLETE/Minnesota Power (“MP”)
30 West Superior Street, Duluth, MN 55802
(218) 355-2014, dwgunderson@mnpower.com

Education:

- University of Minnesota - Carlson School of Management, Minneapolis, MN
2006, Master of Business Administration (emphasis in Operations Management)
- Michigan Technological University, Houghton, MI
2001, Bachelor of Science Degree, Electrical Engineering (emphasis in Power Systems)

Training:

- Professional Engineer (PE) Minnesota, MN PE License # 45450
- Master Electrician Minnesota, License # AM007547

Professional Experience:

Vice President Transmission and Distribution (“T&D”), July 2019 – Present (MP)

- Executive responsibility for all T&D operating budgets totaling \$50 million annually.
- Oversight and development of Ten-Year \$1.8 billion T&D capital plan.
- Executive sponsor for \$980 million Northland Reliability Transmission Project with Great River Energy.
- Oversight of HVDC engineering, operations, maintenance, and inventory groups.
- Executive sponsor for 500kV AC \$560 million Great Northern Transmission Line (GNTL) project completed in 2020.
- Executive lead for all T&D grid modernization programs.

Director - Distribution Operations and Engineering, 2015 – 2019 (MP)

- Management and oversight of Line Operations, Operations Planning, Trouble, and Dispatch departments.
- Lead engineering & distribution design groups including engineering standards.
- Responsible for Emergency Response Plan (ERP) for distribution and storm emergencies on the Distribution and Transmission system.
- Provide oversight for electric meter operations, Outage Management System (OMS), planning/scheduling, and project management resources.
- Strategic oversight for distribution capital and operations and maintenance (O&M) of approximately \$25 million and \$20 million respectively.

Manager - Technical Systems, 2013-2015 (MP)

- Responsible for inventory, operations, and maintenance of High Voltage DC (HVDC) Operations.
- Oversight of Substation Maintenance and Substation Construction employee groups.
- Manage relay and protection systems field personnel and related compliance programs.
- Oversight of NERC compliance programs for Facilities, Protection Systems, Critical Infrastructure, and Balancing Authority.
- Manage transmission substation asset management programs with annual operating budgets of \$6 million and Capital budgets of \$6-8 million.

Supervising Engineer – Electric Meter Department, 2006 – 2012 (MP)

- Primary project manager and project lead for MP \$3.1 million Smart Grid Investment Grant (SGIG) Project from American Recovery and Reinvestment Act (ARRA).
- Advance Metering Infrastructure (“AMI”) System Project Developer and Manager for MP’s \$30 million AMI Project.
- Manage work for technicians that maintain all metering systems.
- Responsible for implementation and maintenance of load management systems.
- Manage load data systems for all retail customers.

Additional Credentials:

Current Industry Activities

- Edison Electric Institute (EEI) National Response Event Committee Member
- Association of Edison Illuminating Companies (AEIC) Power Delivery Committee Member
- North American Transmission Forum (NATF) Company Executive Representative
- Grid North Partners Transmission Group Executive Committee
- Oversight for Midcontinent Independent System Operator (MISO) Transmission Owner Committee

Christian Winter

Supervising Engineer-Transmission and Distribution ("T&D") Planning
ALLETE/Minnesota Power ("MP")
30 West Superior Street, Duluth, MN 55802
(218) 355-2908, cwinter@mnpower.com

Education:

North Dakota State University, December 2008, Bachelor of Science, Electrical Engineering

Training:

Professional Engineer (PE) Minnesota, MN PE License # 51320

Professional Experience:

Supervising Engineer-T&D Planning, 2018 – Present (MP)

Lead Transmission Planning Engineer, 2014-2018 (MP)

Transmission Planning Engineer, 2009-2014 (MP)

- Increasing levels of responsibility for technical leadership and oversight in a group of engineers focused on the long-term evaluation and planning of MP's transmission and distribution systems.
- Facilitate comprehensive, coordinated, and transparent planning of MP's transmission and distribution systems in order to provide reliable and economic service to customers while navigating a rapidly evolving utility landscape.
- Perform transmission and distribution studies to evaluate current and future system needs and develop solutions that support the rapidly-changing ways in which electricity is being produced and consumed, modernize aging infrastructure, and implement new and emerging technology.
- Facilitate collaborative development of major transmission and distribution projects with a cross-functional team of internal stakeholders to ensure successful and coordinated project outcomes.
- Coordinate transmission and distribution system modifications with external entities (other utilities, customers, regulatory bodies and the general public).
- Provide ongoing technical support for internal and external stakeholders for project planning, development, and implementation, as well as any required regulatory filings.
- Research new technology for potential corporate application to support grid modernization, improved reliability, and the integration of distributed resources.

Project Highlights:

- Transmission planning lead for analysis and development of the modernization and upgrade of MP's existing Square Butte HVDC converter stations, including:
 - Review and recommendation of HVDC technology and expandability options.
 - Development of performance requirements and specification writing.
 - Procurement strategy development and vendor selection.
 - System impact and detailed design studies in coordination with HVDC Supplier.
 - Technical support for routing and permitting.
- Discipline lead for transmission planning and detailed electrical studies on the Minnesota portion of a new 360-mile series-compensated 500 kV interconnection between Manitoba and Minnesota (known as the Great Northern Transmission Line (GNTL) project).
- Transmission planning lead for analysis, development, and detailed electrical design on a new +/- 75 MVAR STATCOM system required to replace dynamic reactive capability formerly provided by retiring baseload generators on Minnesota's North Shore.

Additional Credentials:

Recent and Current Industry Activities

- Special Reporter-CIGRE Paris Session 2022, Study Committee B4 (FACTS & HVDC)
- Member, CIGRE Working Group B4.94 "Application of VSC-HVDC in a System Black Start Restoration"
- South Dakota Regional Power Conference Committee, South Dakota State University Center for Power Systems Studies

Jennifer J. Cady

Director of Regulatory Affairs
ALLETE/Minnesota Power ("MP")
30 West Superior Street, Duluth, MN 55802
218-355-3202, jjcady@mnpower.com

Education:

- American Military University, 2010, Master of Arts Degree, International Relations and Conflict Resolution
- College of Saint Scholastica, 2008, Bachelor of Arts Degree, International Studies
- American University, 2007, Washington Semester Program, International Law and Organizations

Training:

- Minnesota Chamber of Commerce Leadership Minnesota Graduate 2017
- US Air Force Squadron Officer School 2016
- Duluth Chamber of Commerce Leadership Duluth Program 2014
- US Air Force Intelligence Officer Course 2009
- US Air Force Academy of Military Science 2008
- US Air Force Airman Leadership School 2007
- US Army Primary Leadership Development Course 2005
- US Army Intelligence School 2002

Professional Experience:

Director/Manager of Regulatory Affairs, 2017–Present (MP)

- Lead a team to develop and execute MP's regulatory strategy to achieve business objectives.
- Identify, track and develop energy policy issues and positions.
- Develop and lead processes to engage diverse sets of interested stakeholders.
- Responsible for representing MP in front of the Minnesota Public Utilities Commission, at stakeholder engagement and industry events.
- Responsible for regulatory filings including electric utility rate cases, integrated resource plans, integrated distribution plans and resource acquisition proceedings.

Policy Manager, Regulatory Affairs, 2013–2017 (MP)

- Develop strategies and lead regulatory proceedings on renewable energy, distributed generation, community solar gardens and energy conservation.
- Analyze and interpret regulatory and legislative proposals to help develop policy positions.
- Participate in stakeholder engagement groups focused on energy policy and regulation.

Director of Complaints Resolution, Inspector General's Office, 2019-2021 (148th Fighter Wing, Minnesota Air National Guard)

- The Director of Complaints Resolution must serve as a fair, impartial and objective fact finder.
- Manage and execute the Air Force Inspector General's Complaints Resolution Program; resolve complaints from National Guard members on fraud waste and abuse, abuse of authority or other violations of Air Force regulations.
- Proactively train members on rights and responsibilities within the Air Force program.

Air Force Intelligence Officer, 2006-2019 (148th Fighter Wing, Minnesota Air National Guard)

- Provide current intelligence support by analyzing data, conducting pattern/trend analysis and producing predictive analysis through intelligence briefings and support.
- Study emerging trends in foreign policy, defense/security policy, enemy activity and global geopolitics.
- Ensure compliance with US defense policy and regulations through effective management of intelligence processes.
- Multiple overseas deployments, including: Operation Enduring Freedom, Kandahar Air Field Afghanistan (2012), Operation Inherent Resolve, Southwest Asia (2018).
- Multiple domestic activations including serving as the Minnesota National Guard Liaison to the Federal Bureau of Investigation during the Civil Unrest in Minneapolis (2020).

Intelligence Instructor, 2010 (US Army Intelligence School, Fort Huachuca, Arizona)

- Plan, prepare and present formal instruction to Army entry-level soldiers aspiring to be intelligence professionals.
- Assist in the development of Programs of Instruction through the application of advanced and sophisticated training techniques.
- This includes formal classroom training, demonstration, practical exercises, mentoring and field training exercises.
- Analyze, design and develop course materials to reflect relevant changes in doctrine and technology.

Additional Credentials:

- Duluth News Tribune "20 Under 40" Award—2015
- 148th Fighter Wing Officer of the Year—2014

Community Experience (All unpaid voluntary unless otherwise noted):

Boards/Commissions

- Proctor Public Utilities Commission Chair (2017–Present, Part-time paid appointed role)
- Duluth Chamber of Commerce Board of Directors, Incoming Board Chair (2021–Present)
- Duluth Chamber of Commerce Military Affairs Committee Chair (2021–Present)
- Center for Rural Policy and Development Board of Directors (2019-Present)
- Proctor Beyond the Yellow Ribbon Steering Committee (2016–Present)