

Experience Dan has more than 15 years of experience with environmental review and permitting for a variety of natural resources projects involving renewable energy development, electric transmission, mining, oil and gas transmission, and refineries. He manages large- and small-scale development that involve agency coordination, environmental field surveys, major permitting, environmental review, construction, and restoration. His background also encompasses new-project feasibility studies, routing and siting, permitting strategies, project scheduling, public outreach planning, risk analysis, and business development.

Dan's renewable-energy and electric-transmission project work includes:

- Providing regulatory guidance and project management to Barr's acoustics engineers for post-construction sound modeling and monitoring services on behalf of Palmer's Creek Wind Farm, LLC, in Chippewa County, Minnesota.
- Managing a residence survey conducted for Avangrid Renewables' Fox Lake wind farm in Martin County, Minnesota.
- Managing site permitting for Avangrid Renewables' Tatanka Ridge wind farm in Deuel County, South Dakota. A 154 MW wind energy facility, Tatanka Ridge will require site permits from both Deuel County and the South Dakota Public Utilities Commission. Barr's work includes preparing county and state site-permit applications; a survey to confirm the locations of occupied residences in support of project layout; and developing a decommissioning plan. Barr will also help prepare pre-filed testimony and exhibits supporting the state permitting process and Public Utilities Commission hearings.
- Serving as Barr's senior regulatory advisor for post-construction sound modeling and monitoring studies for the Big Blue wind farm in Faribault County, Minnesota.
- Providing senior regulatory advice on environmental permitting and support for a proposed wind farm in Michigan's Upper Peninsula. Barr's scope of work included a transmission-line routing analysis; a cultural resources review of the wind farm and associated transmission line; incorporation of data from an existing constraints-impact analysis; a summary of Michigan's wetland and water-body permitting requirements; and township site permitting.
- Serving as Barr's senior regulatory advisor for Avangrid Renewables' Trimont wind farm repowering project in Martin and Jackson counties, Minnesota, which received the first partial-repowering site-permit amendment in the state. Barr's scope of work included working with the Minnesota Department of Commerce to determine permit application requirements and timelines. The firm also provided agency consultation, prepared a decommissioning plan, and managed preparation and submittal of the application to the agency. Dan continues to assist Trimont with post-permit compliance.
- Providing senior regulatory advice on Allele Clean Energy's Lake Benton 1 upgrade project in southwestern Minnesota, which received the state's second partial-repowering site-permit amendment. Barr's scope of work included working with the Minnesota Department of Commerce to determine permit application requirements and timelines; managing preparation and submittal of the permit application to the Department

of Commerce; and consulting with regulatory agencies about avoiding wetlands and protected habitat.

- Assisting with due diligence review on behalf of Allete Clean Energy for wind-farm repowering projects in Iowa and Minnesota.
- Managing environmental permitting and review activities for Allete Clean Energy's "Clean Energy One" project, a 100 MW wind-energy development. Work included directing cultural and biological field surveys; obtaining site approval from the state's public-service commission; preparing a stormwater pollution-prevention plan (SWPPP); and completing applications for North Dakota Pollutant Discharge Elimination System (NDPDES) and county permits.
- Serving as project manager for Minnesota Power's Bison 2 and 3 wind projects in North Dakota, including managing cultural and biological field surveys, obtaining site approval from the Public Service Commission, preparing an NDPDES permit application and SWPPP; and applying for local permits.
- Managing the route permitting team for the CapX 2020 Fargo-to-Monticello 345kV transmission-line project, which runs from Fargo, North Dakota, to Monticello, Minnesota. Work included overseeing technical specialists, contributing to the environmental routing analysis, and participating in outreach meetings with public officials and land owners in Minnesota and North Dakota.
- Participating on the project team that developed a routing and environmental facility study for a confidential client's proposed 500kV transmission-line project.

Dan's other recent work includes:

- Managing environmental and engineering services for American Peat Technology's PEAT (Pioneering Environment Agriculture Technology) project, a 600-acre peat mine and processing plant in Aitkin County, Minnesota. Barr's assistance includes mine engineering and design for a dredge-and-slurry peat mining operation, as well as civil, structural, and electrical engineering and design of a new peat-processing facility in support of the state environmental-review process. Barr is also providing surface- and subsurface-hydrology modeling; preparing and implementing a water-level monitoring plan; developing a water-quality monitoring plan and conducting field sampling; preparing the water resources section of the project's Minnesota Environmental Assessment Worksheet; and participating in state agency meetings.
- Participating on a client's working team to evaluate the regulatory and schedule implications of seeking an energy-facility site permit from the Minnesota Public Utilities Commission for installing a 57 MW combined heat-and-power, natural gas-fired combined-cycle power plant.
- Managing teams of resource specialists preparing and presenting expert testimony, on behalf of the Iowa Office of Consumer Advocate and South Dakota Public Utilities Commission, concerning reviews of state-permit application materials and potential environmental impacts, mitigation, and restoration methods for the Dakota Access Pipeline project.

- Preparing direct testimony and presenting expert testimony on behalf of the South Dakota Public Utilities Commission in connection with TransCanada's application for state certification of the Keystone XL project and an evaluation of changes since the 2009 testimony.

Education JD, Lewis & Clark Law School, 2002

BS, Geography, Minnesota State University, Mankato, 1996

Training "Environmental Review and Compliance for Natural Gas Facilities" (2017 FERC seminar)

Certifications University of Minnesota—certified erosion- and sediment-control specialist; inspector and installer; and designer of stormwater pollution-prevention plans (2009)