



JoAnne J. Blank

Senior Scientist and Project Manager

JoAnne serves as a senior scientist in the Energy Market Sector, specializing in feasibility, permitting and compliance of power and renewable energy projects across the United States. She has been involved in the design and permitting of more than 1,200 megawatts of wind energy. Her project and management experience includes feasibility analyses, project siting, preliminary engineering design, environmental permitting, NEPA and PSC permit applications, FAA permits, Phase I site assessments, shadow/flicker analyses, sound studies, property surveys, erosion control plans, geospatial information analysis and management, and post-construction compliance. She has also designed and developed numerous geographically referenced databases and applications for the management and visualization of historic and environmental data.

JoAnne's management experience with contractors, utilities, regulatory agencies and renewable energy developers has provided her with a broad understanding of the processes and requirements necessary for the successful development, monitoring and post-construction compliance of energy projects.

EDUCATION

Master of Science Atmospheric and Oceanic Sciences, University of Wisconsin, Madison, Wisconsin, 2000

Master of Science Environmental Monitoring, University of Wisconsin - Nelson Institute for Environmental Studies, Madison, Wisconsin, 2000

Bachelor of Science Atmospheric and Oceanic Sciences, University of Wisconsin, Madison, Wisconsin, 1996

FERC Environmental Compliance Seminar, 2014

FERC Regulatory Overview and Guidance Seminar, 2014

SELECT PROJECT EXPERIENCE

Wind Power

Apple Blossom Wind Farm, Huron County, Michigan (Task Manager)

JoAnne is task manager for development of the Geronimo Wind Energy 10,000-acre, 100-megawatt Apple Blossom Wind Farm. She managed the preparation and submission of the Huron County permit application, sound/noise modeling, ambient sound survey, shadow/flicker analysis, and decommissioning plan.

Grande Prairie Wind Farm, Holt County, Nebraska (Impact Modeling)

JoAnne managed the analyses of the Geronimo Wind Energy 400-megawatt Grande Prairie Wind Farm. She managed shadow flicker impact analyses, sound modeling studies and authored sections for these studies within the project environmental impact statement.

Highland Wind Farm, Saint Croix County, Wisconsin (Project Manager)

JoAnne is project manager for development of the Emerging Energies, LLC 6,000-acre, 102-megawatt Highland Wind Farm. As lead-author, she completed the preparation and submittal of the PSC CPCN permit application. She was also responsible for the design of the wind farm layout, environmental field studies, wetland/water quality permitting, erosion control permitting, agency meetings, sound/noise modeling, shadow/flicker analysis, photo-simulation studies, road and infrastructure preliminary assessments, public meeting support and expert witness testimony.

SummitWind Farm, Grant County, South Dakota (Impact Modeling)

JoAnne managed the analyses of the OwnEnergy 90-megawatt SummitWind Farm. She managed shadow flicker impact analyses, sound modeling studies and authored reports with study results.

Highland Wind Farm, O'Brien County, Iowa

JoAnne assisted in the permitting and support studies for the Invenergy, LLC 40,000-acre, 500-megawatt Highland Wind Farm. She was lead author on the critical issues analyses and provided support for the O'Brien County permit application and Phase I Environmental Site Assessment.

* denotes projects completed with other firms

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Beautiful Hills Wind Farm, Manitowoc County, Wisconsin (Project Manager)

JoAnne was project manager for development of the Emerging Energies, LLC 900-acre, 30-megawatt Beautiful Hills Wind Farm. She managed environmental studies, shadow flicker impact analyses, sound modeling studies and provided public meeting support.

Confidential Wind Farm, Midwest US (Project Manager)

JoAnne assisted the owner of a Midwest wind farm with post-construction compliance related to shadow/flicker impacts on properties. An automatic turbine curtailment system was installed to mitigate flicker on residential buildings. Studies were performed to assess the actual impact of shadow and assist with mitigation measures.

Glacier Hills Wind Park*, Columbia County, Wisconsin (Project Manager)

JoAnne managed multiple projects in support of the We Energies Glacier Hills Wind Park development. The 7,500-acre, 91-turbine, 150-megawatt wind farm She completed the preliminary site design and was responsible for the environmental field studies and permitting, a sound/noise study and support of land owner negotiations. She assisted We Energies with preparation and submittal of the CPCN application to the Wisconsin PSC.

Forward Wind Energy Center*, Southeastern Wisconsin (Project Manager)

JoAnne managed multiple projects in support of the permitting, design and construction of Invenergy LLC's 86-turbine, 129-megawatt wind farm. She was responsible for the successful completion of the phases including micro-siting and facility layout, Environmental Site Assessments (Phase I's), erosion control plans, wetland permitting and pre/post ALTA property surveys. When Invenergy made the decision to expand the Forward wind farm, she managed and completed the same phases for the additional development.

Shirley Wind Farm*, Brown County, Wisconsin (Project Manager)

JoAnne managed services for the development of the Emerging Energies, LLC 8-turbine, 20-megawatt wind farm. Natural resource assessments, geotechnical investigations Phase I Environmental Site Assessments and property surveys were completed in support of this development.

Blue Sky Green Field Wind Project*, Fond du lac County, Wisconsin (Project Manager)

JoAnne managed support services for the We Energies 10,000-acre, 88-turbine, 145-megawatt wind farm. Pre-construction responsibilities included facility micro-siting, site civil design, environmental assessments and permitting, land owner agreement documentation and CPCN permit application assistance. Construction and post-construction support included environmental compliance, access road erosion assessments, TV and radio interference mitigation and expansion planning.

Windy Acres, Sheboygan County, Wisconsin (Project Manager)

JoAnne was project manager for development of the Emerging Energies, LLC 30-megawatt Windy Acres Wind Farm. She managed environmental studies, shadow flicker impact analyses, sound modeling studies and provided public meeting support.

Dominion Wind Power, Multiple Confidential Sites* (Project Manager)

JoAnne was responsible for the feasibility and analysis of several proposed wind farm sites for Dominion Power across the United States. Research and analyses included assessment of resources, permit restrictions, constructability, environmental and natural resource impacts and community support. The reports and conclusions assisted Dominion in reaching a go/no-go decision on development.

Transmission and Utility Routing

ANR Pipeline Company, Stevens Point, Wisconsin

JoAnne served as the phase manager for preparation of resource reports in support of a FERC filing under Section 7(c) of the Natural Gas Act. JoAnne performed needed research and analysis; wrote reports and managed the overall preparation of the documents.

American Transmission Company, Wisconsin

JoAnne has assisted in the preparation of, and analysis for, numerous American Transmission Company permit applications. These have included state and federal environmental permits and Public Service Commission CA and CPCN permit applications on projects throughout Wisconsin.

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Xcel Energy*, Wisconsin

JoAnne assisted with the preparation of the CPCN application for the CAPX 2020 transmission line through Minnesota and Wisconsin. Her involvement included data research and acquisition, geo-spatial data management and writing of report sections.

Northern Natural Gas Company, Various Midwest Projects and Locations

JoAnne has managed and supported numerous Northern Natural Gas Company projects throughout the midwestern United States. In addition to managing more than 20 individual permitting and compliance projects, JoAnne has also performed analyses and been lead author on resource reports in support of FERC filing under Section 7(c) of the Natural Gas Act.

Biomass Energy Generation

Confidential Client*, Wisconsin

As the phase manager for preliminary siting of a biomass-fired power generation facility in northern Wisconsin, JoAnne was responsible for the research and analysis of data deemed critical for the successful development of a brownfield or greenfield biomass facility. Existing facilities, natural and sensitive resources, transportation, transmission, fuel source, and water resources were analyzed to provide the client with information for preliminary siting decision.

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