

JoAnne J. Blank

Senior Associate; Senior Scientist/Project Manager



JoAnne serves as a Senior Scientist and Project Manager 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, assessment, and permitting of hundreds of wind and solar energy, battery storage, natural gas, and electrical transmission projects.

Her project and management experience includes federal, state, and local permitting, feasibility analyses, expert witness testimony, project siting, shadow flicker analyses, sound studies, environmental permitting, NEPA documents (EA and EIS), CPCN and CA applications, FAA permits, decommissioning plans, Phase I site assessments, erosion control plans, geospatial information analysis and management, and post-construction compliance.

JoAnne leads the Renewable Energy Shadow Flicker and Decommissioning Plan Teams. She led the development of Stantec's proprietary assessment method for future decommissioning of wind, solar, and battery storage 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

Photovoltaics – Design and Siting, Northeast Wisconsin Technical College, Green Bay, Wisconsin, 2010

FERC Environmental Compliance Seminar, 2014

FERC Regulatory Overview and Guidance Seminar, 2014

PROJECT EXPERIENCE

Environmental Permitting (Solar and Wind Energy) and Wind Shadow Flicker Assessments (Project and/or Task Manager)

Extensive experience in the preparation of environmental permit applications for solar and wind development and management, modelling, and analysis of potential shadow flicker from proposed wind energy development and repower. Support included expert witness testimony at local and state levels.

Projects include but are not limited to:

Wisconsin – Two Creeks Solar, Point Beach Solar, Highland Wind, Beautiful Hills Wind, Badger Hollow Wind.

Michigan – Heartland Wind, Kenowa Ridge Wind, Top Hat Wind, Pleasant Ridge Wind, Pine River Wind, Apple Blossom Wind, Polaris Wind, Riverbend Wind, Crescent Wind.

Illinois – Top Hat Wind, Virden Wind, Musketeer Wind, Sapphire Sky Wind, Radford's Run Wind, California Ridge Wind II, City of Roses Wind, Moraine Sands Wind, Cardinal Point Wind, Mendota Hills Wind.

Iowa – Chickasaw Wind, Red Rock Wind, Shenandoah Hills Wind, Ida Grove I & II Wind, Worthwhile Wind, Diamond Trail Wind, Richland Wind, Ivester Wind, Arbor Hills Wind, Beaver I & II Wind, Eclipse Wind, Plymouth Wind, Wellsburg Wind, Adair Wind, Kossuth Wind, Vienna Wind, North English Wind, Highland Wind, Rolling Hills Wind, Walnut Wind, Morning Light Wind, Laurel Wind, Southern Hills Wind, Lundgren Wind, Eclipse Wind, Macksburg Wind, Pomeroy Wind, Story Wind, Palo Alto Wind, Pocahontas Prairie Wind, Orient Wind, O'Brien Wind.

Nebraska – Corn Silk Wind, Prairie Hills Wind, Grand Prairie Wind.

Kansas – Flat Ridge 4 Wind, Flat Ridge 5 Wind, Thresher Wind, Mako Wind.

Colorado – Towner 1 Wind, Towner 3 Wind.

New York – Deer River Wind, Baron Wind I & II.

South Dakota – Duel Harvest North Wind, Deuel Harvest South Wind, Philip Wind.

West Virginia – Black Rock Wind, Mount Storm Wind, Pinnacle Wind, Laurel Mountain Wind, Catamount Wind.

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Decommissioning Plans and Cost Estimates – Renewable Energy (Solar, Wind and Battery Storage), U.S

Leads the decommissioning plan team and has managed the assessment and preparation of more than **300 decommissioning plans and cost assessments** for solar, wind, and battery energy storage projects. Scope includes describing triggering mechanisms, deconstruction methods and costs, potential revenues from salvaged equipment and land reclamation activities. Support has included presentations and testimony at local, regional, and state-level permit hearings.

Projects located throughout the U.S., including but not limited to the states of Michigan, Illinois, Indiana, Ohio, Wisconsin, Massachusetts, Maryland, Connecticut, Maine, New York, Pennsylvania, Virginia, West Virginia, North Carolina, South Carolina, Georgia, Kentucky, Louisiana, Mississippi, Iowa, Kansas, Missouri, Nebraska, South Dakota, Colorado, New Mexico, Arizona, Arkansas, Oklahoma, Texas, Utah, and California.

Environmental Project Permit Manager or Assessment Studies Manager (Solar)

Point Beach Solar Energy Project, Wisconsin (Project Manager)

Managed environmental services for a large utility-scale solar plant in Wisconsin. Services include environmental field studies, historic cultural resource assessments, state CPCN permit application preparation, road study, decommissioning plan, EMF, and additional support studies.

Two Creeks Solar Energy Project, Wisconsin (Project Manager)

Managed the environmental services for a large utility-scale solar plant in Wisconsin. Services include environmental field studies, historic cultural resource assessments, noise impact assessment, state CPCN permit application preparation, and additional support studies.

Grant County Solar Energy Project, Wisconsin (Project Manager)

Managed support services, including glint/glare, road condition and EMF studies for a large utility-scale solar plant in Wisconsin.

Project Permit Application Manager or Assessment Studies Manager

Heartland Wind Energy, Gratiot County, Michigan (Project Manager)

Managed the county and town permitting and support studies for the 201-MW wind farm. Support included four township and one county permit applications, shadow flicker study, decommissioning plan, and town/county hearing expert witness testimony and support.

Crescent Wind Energy, Hilldale County, Michigan (Project Manager)

Managed the town permitting and support studies for the 166-MW wind farm. Support included three township permit applications, shadow and sound studies, decommissioning plan, and town hearing support.

Polaris Wind Energy, Gratiot County, Michigan (Project Manager)

Managed the environmental permitting and support studies for Invenergy's 168-MW wind farm. Support included Gratiot County permit application, shadow and sound studies, and decommissioning plan.

Pine River Wind Energy, Isabella and Gratiot Counties, Michigan (Project Manager)

Managed the environmental permitting and support studies for Invenergy's 161-megawatt wind farm. Support included the Pine River and Coe Township permit applications, shadow and sound modeling, and decommissioning plan.

Federal Energy Regulatory Commission (FERC) Experience – Natural Gas

Northern Natural Gas – Federal and State Permitting, FERC Compliance Projects

Project manager for more than 50 Northern Natural Gas FERC 2.55(a), 2.55(b) and automatic blanket authorization projects for facilities within the Midwestern United States. Projects have included procurement of the Federal, state and local permits necessary to provide compliance with the FERC's regulations.