

PENNSYLVANIA'S LEADING WIND ENERGY CONSULTANT

Shoener helps our clients get the environmental approvals and permits they need to develop their projects.

In Pennsylvania, Shoener has been involved with the permitting of over **20 wind farms** and has provided consulting services for over **70% of the State's wind energy projects**. A representative list of our wind energy experience in Pennsylvania is as follows:

PROJECT	SIZE	LOCATION	KEY SERVICES PROVIDED
Mehoopany Wind Farm <i>(BP Alternative Energy)</i>	150 MW	Wyoming County, PA	NPDES Permit and Local Permit Approvals Stream Crossing Permits and PennDOT Permits
Sandy Ridge Wind Farm <i>(Gamesa/Algonquin Power)</i>	62.5 MW	Centre County and Blair County, PA	Site Design/NPDES Permit Local Permit Approvals and PennDOT Permits
Highland Wind Farm <i>(Everpower Renewables)</i>	62.5 MW	Cambria County, PA	NPDES Permit, Local Permits, and PennDOT Permits Environmental surveys and monitoring
Allegheny Ridge Wind Farm <i>(Gamesa/Infigen)</i>	132 MW	Cambria County, PA	NPDES Permit and PennDOT Permits Environmental surveys and monitoring
North Allegheny Wind Farm <i>(Gamesa/Duke Energy)</i>	20 MW	Cambria County and Blair County, PA	NPDES Permit and PennDOT Permits Environmental surveys and monitoring
Buck Mountain Wind Farm <i>(Pattern Energy)</i>	80 MW	Columbia, Luzerne and Schuylkill Counties, PA	Site Design/NPDES Permit Local Permit Approvals and PennDOT Permits
Highland North Wind Farm <i>(Everpower Renewables)</i>	60 MW	Cambria County, PA	Site Design/NPDES Permit Local Permit Approvals and PennDOT Permits
Chestnut Flats Wind Farm <i>(EDF Renewable Energy)</i>	36 MW	Cambria County, PA	Post-construction wildlife monitoring Stream Crossing Permits
Seldom Seen Wind Farm <i>(Pattern Energy)</i>	TBD	Cambria County, PA	NPDES Permit Environmental Surveys
Twin Ridges Wind Farm <i>(Everpower Renewables)</i>	150 MW	Somerset County, PA	Environmental surveys and post-construction monitoring
Laurel Hill Wind Farm <i>(Duke Energy)</i>	69 MW	Lycoming County, PA	Post-construction wildlife monitoring
Waymart Wind Farm <i>(Orion/NextEra)</i>	64.5 MW	Wayne County and Lackawanna County, PA	Site Design/NPDES Permit Environmental Surveys
Bear Creek Wind Farm <i>(Infigen)</i>	24 MW	Luzerne County, PA	Phase 1 Environmental Assessment Post-construction wildlife monitoring
Forward Wind Farm <i>(Edison Mission Group)</i>	28 MW	Somerset County, PA	Wildlife studies (Bat and Avian)
Lookout Wind Farm <i>(Edison Mission Group)</i>	36 MW	Somerset County, PA	Wildlife studies (Bat and Avian)

CLIENTS

Algonquin Power	BP Alternative Energy	Duke Energy	EDF Renewable Energy	EDP Renewables	Edison Mission Group	Eolian Energy	Everpower Renewables
Exelon	Gamesa	Iberdrola	Infigen	Invenergy	Orion Energy Group	Pattern Energy	Volkswind



About Us

Shoener is a national environmental consulting firm that has been providing professional environmental, engineering and permitting services since 2000. We have unique expertise in the development and permitting of renewable energy projects, working on all phases from site identification and development through construction and post-construction activities.

Shoener works with you to find a strategy to make your way through the regulatory systems to get your project built, no matter how big or how small. We understand you want your project to be both green and profitable – and we will help you find a way to maximize both objectives.

Our Management Team

Shoener Environmental's management staff has held federal and state government management positions, so we understand what it takes to help clients resolve regulatory issues, obtain environmental permits and manage environmental programs. Our team will help you get your renewable energy project through the permitting process and into production.



Ed Shoener
President/Founder

Mr. Shoener is an environmental management executive and consultant with over 30 years' experience in the environmental protection profession. Prior to starting Shoener Environmental, Inc., he held management positions with the U.S. Environmental Protection Agency and the Pennsylvania Department of Environmental Protection, working nationally and internationally. He has over 15 years of experience in the renewable energy industry.



Jason Tourscher
Director of Site Assessment and Permitting

Mr. Tourscher has over a decade of professional experience conducting environmental consulting services for utility and energy companies. His professional experience includes environmental permitting, threatened and endangered species surveys, and site assessments. As the Director of Site Assessment and Permitting, Jason has provided permitting and project management support to utility-scale renewable energy projects throughout the United States.



Christine Geist
Director of Ecological Services

Ms. Geist oversees a team that provides wetland and stream delineation, threatened and endangered and wildlife impact assessment services. Her 15 years of experience covers numerous large scale renewable energy projects. Ms. Geist is a Professional Wetland Scientist and a Certified Ecologist.



Brad Romano
Senior Wildlife Biologist/Field Office Manager

Brad is a professional wildlife biologist with specialized experience in ornithology and in a wide variety of field studies and methods. He has successfully conducted and managed species specific surveys, pre- and post-construction environmental monitoring, habitat evaluations, and environmental reviews.

For more information, contact us at 570.489.6920 or visit our website at www.shoener.com.