

COMMONWEALTH OF KENTUCKY
BEFORE THE KENTUCKY STATE BOARD ON ELECTRIC
GENERATION AND TRANSMISSION SITING

In the Matter of:

Electronic Application of Golden Solar, LLC)
for Certificate of Construction for an)
Approximately 100 Megawatt Merchant)
Electric Solar Generating Facility in Golden)
County, Kentucky

Case No.
2020-00243

Notice of Filing

Please take notice that Golden Solar, LLC herewith supplements its prior witness list filing of January 4, 2023, with the CV of witness David Hessler. This is attached hereto.

Respectfully submitted,

/s/ Kathryn A. Eckert

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*Counsel for Applicant,
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CURRICULUM VITAE

DAVID M. HESSLER

- Title:** Principal Consultant, Vice-President
Hessler Associates, Inc.
- Professional Affiliations:** Professional Engineer (P.E.), Commonwealth of Virginia
Member Institute of Noise Control Engineering (INCE)
- Education:** Bachelor of Science in Mechanical Engineering (B.S.), 1997
Summa cum Laude
A. James Clark School of Engineering
University of Maryland, College Park, MD
- Bachelor of Arts (B.A.), 1982
University of Hartford, Hartford, CT
- Employer:** Hessler Associates, Inc.
38329 Old Mill Way, Unit 8
Ocean View, DE 19970
- Office Location:** St. George, UT
- Years in present position: 32
- Current Job Description:** Acoustical engineer specializing in the prediction, assessment and mitigation of environmental noise from new and existing power generation and industrial facilities. Typical tasks include:
- Field measurement studies of existing ambient sound levels in the vicinity of proposed project sites
 - Computer noise modeling of new facilities prior to construction
 - Environmental impact assessments for new projects
 - Noise mitigation design studies of new facilities
 - Verification measurements of completed facilities
 - Diagnostic studies of facilities with existing noise problems
 - Design and specification of noise mitigation measures
 - Expert witness testimony
- General Experience:** As an outside consultant to nearly all the major power industry EPC contractors, developers and OEM's, Mr. Hessler has been the principal acoustical designer of over 400 power plants and industrial facilities worldwide ranging from a 3900 MW power station in Saudi Arabia to numerous combustion turbine combined cycle plants, data centers, diesel generator installations, refineries, battery storage, solar and wind turbine projects. Typically, the focus of the work on these projects was to anticipate/model potential noise impacts at sensitive receptors near the project and recommend practical noise abatement measures to avoid them. In addition, extensive verification measurements in and around completed power plants, industrial facilities and wind farms have been performed to confirm that the design recommendations have been successfully executed.

Representative Papers and Publications:

“Wind Turbine Noise”, Chapter 7 *Measuring and Analyzing Wind Turbine Sound Levels*, Multi-Science Publishing Co., Brentwood, Essex, UK, Jan. 2012. Comprehensive book on all aspects of wind turbine noise. Each chapter written by a recognized expert in that subject.

Teleseminar “Wind Turbine Siting and Best Practices”, National Regulatory Research Institute (NRRI), Invited speaker, Jan. 2012.

“Best Practices Guidelines for Assessing Sound Emissions from Proposed Wind Farms and Measuring the Performance of Completed Projects”, Prepared for the Minnesota Public Utilities Commission under the auspices of the National Association of Regulatory Utility Commissioners (NARUC), Oct. 2011.

“Accounting for Background Noise when Measuring Operational Noise from Wind Turbines”, Fourth International Meeting on Wind Turbine Noise, Rome, Italy, Apr. 2011.

“Recommended noise level design goals and limits at residential receptors for wind turbine developments in the United States”, *Noise Control Engineering Journal*, J.59 (1), January-February 2011.

“Wind tunnel testing of microphone windscreen performance applied to field measurements of wind turbines”, Third International Meeting on Wind Turbine Noise, Aalborg, Denmark, June 2009.

“Experimental study to determine wind-induced noise and windscreen attenuation effects on microphone response for environmental wind turbine and other applications”, *Noise Control Engineering Journal*, J.56, July-August 2008.

Expert Witness Cases:

Before the Washington State Energy Facilities Siting Board (EFSEC) on behalf of Bechtel and the Cherry Point Cogeneration Project, Bellingham, WA, 2003. Permitting support for a proposed combined cycle power plant facility.

Before the Public Service Commission of West Virginia on behalf of the Longview Power Project near Morgantown, WV, 2006. Permitting support for a proposed coal-fired power plant facility.

Before the Pennsylvania Department of Environmental Protection on behalf of Waste Management and the Alliance Sanitary Landfill in Taylor, PA, 2006. Support in defending against a Class Action Lawsuit brought by neighbors of the landfill.

Before the Office of the Attorney General of New York on behalf of the Hudson Valley Community College Cogeneration (Diesel) Plant. Support in defending against a Class Action Lawsuit brought by neighbors.

Before the Hanover County (VA) Board of Supervisors on behalf of Martin Marietta Materials and the Doswell Quarry, 2008. Permitting support for a proposed quarry expansion.

Before the New Hampshire Site Evaluation Committee on behalf of Granite Reliable Power, LLC, 2008. Permitting support for a proposed wind turbine project in Northern New Hampshire.

Before the Public Utilities Commission of Ohio, Ohio Power Siting Board on behalf of EverPower Renewables and the Buckeye Wind Project, 2008. Permitting support for a proposed wind turbine project in Ohio.

Before the Wisconsin Public Service Commission on behalf of Clean Wisconsin with regard to the proposed Highland Wind Farm in Forest, WI. Docket No. 2535-CE-100. Engaged as an independent expert to evaluate the Applicant's sound studies and the testimony of opposition groups.

Before the Public Utilities Commission of Ohio, Ohio Power Siting Board on behalf of EverPower Renewables and the Buckeye II Wind Project, 2012. Permitting support for a proposed wind turbine project in Ohio.

Before the Maine State Government Energy, Utilities and Technology Committee on behalf of Patriot Renewables and the Beaver Ridge Wind Project, 2014. Peer review of operational sound testing by others.

Before the South Dakota Public Utilities Commission on behalf of the Commission Staff to review the noise aspects of the application for the Crocker Wind Farm Project. Docket EL17-055. April 2018.

Before the South Dakota Public Utilities Commission on behalf of the Commission Staff to review the noise aspects of the application for the Dakota Range Wind Project. Docket EL18-003. April 2018.

Before the Rhode Island Energy Facility Siting Board, serving as an outside expert to the Town of Burrillville, RI reviewing the noise aspects of the Clear River Energy Center permit application, Docket SB-2015-06, December 2018.

Before the South Dakota Public Utilities Commission, serving as an outside expert to the PUC Staff reviewing the noise aspects of the Deuel Harvest Wind Project permit application, Docket EL18-053, April 2019.

Before the Kentucky Public Service Commission on behalf of Unbridled Solar, April 2021.

Before the Kentucky Public Service Commission on behalf of Caldwell Solar, February 2022.