

WESELLEY E. SLAYMAKER, P.E.

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JOB HISTORY

WES Engineering LLC

President, MN and WI (10/04 to present)

- Project pre-development, permitting, engineering, siting and financial analysis
- Grant applications, awarded wind projects over \$1 million in USDA grants.

EcoEnergy LLC

VP of Business Development, Madison, WI (05/06 to present)

- Develop 2000 MW+ portfolio of large wind projects, first 100MW project reaches commercial operation in March 2009
- Open Madison, WI office and create project management staff of 10 people to work on wind project development, including GIS, wind resource analysis, and real estate

Windustry

Project Engineer, Minneapolis, MN (7/03 to 2/05)

- Project predevelopment, permitting, engineering, siting and financial analysis
- Prepare and present papers and books on wind related issues and technology

EnXco Inc.

Project Engineer, Minneapolis, MN (12/01-6/03)

- Prepare wind data, drawings, maps and permits for new wind farms.
- Interface with utilities on electrical design of wind plant.

Navitas Energy

Project Manager, Minneapolis, MN (4/00-10/01)

- Developed web based data collection system for wind turbines using wireless data transfer.
- Worked with contractors for foundations, roads, and electrical connection of project.
- Performed some installation and repair on turbines and meteorological towers.

MTS Systems Inc.

Hydromechanical Product Engineer, Eden Prairie, MN (10/98-4/00)

- Designed custom fluid powered test equipment for automotive and aerospace industry.
- Researched improved design features for linear actuators.
- Designed custom manifolds for fluid power circuits, all work done using 3-D software.

Aeromix Systems Inc.

Design Engineer Manager, Minneapolis, MN (9/92-10/98)

- Researched, designed, and developed two new products, sales now grossing 1.5 million, 30% of total sales.
- Two new patented designs involving cost saving assemblies with cast parts.
- Designed and built automated mechanical press for product assembly.
- Coordinated planning and construction of a 100,000 gallon test tank.
- Designed cast stainless steel axial flow pump for TORO® fountain.
- Designed and patented an all stainless steel centrifugal pump and aspirator for tank mixing and aeration.

EDUCATION & CERTIFICATION

Georgia Institute of Technology, BS, Mechanical Engineering, (1991)

University of Minnesota, MCE-ABD, Environmental Engineering, (1997)

Windfarmer software, Houston, TX (06/08)

Wind turbine Operations and Maintenance, NEG Micon, Denmark (10/00)

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ISO 9000 and Quality, MTS, Eden Prairie, MN (2/99)

ANSYS-Stress Analysis, Ansys Lab, Bloomington, MN (11/98)

Pro Mechanica, Parametric Technology Corporation (2/98)

Engineering Documentation Control, University of Wisconsin Extension (9/97)

Professional Mechanical Engineer Certification, Minnesota (4/97)

Successful Project Management Skills, Skilpath (10/96)

**COMPUTER
SKILLS**

ArcView-GIS, Windfarmer, WASP, ProEngineer, AutoCAD, IDEAS, ANSYS, and Microsoft Office.

Wind Project Experience

Operating Projects

EcoGrove: 67 Acciona 82m rotor, 1500kW turbines, NW Illinois 2005-2009

Developed project from initial landowner contacts and met towers, through permitting, and into early construction. This project is sited on over 8000 acres of land, and includes a new substation and 10 mile 138kV powerline.

Lakota Ridge: 15 Micon NM 48 750 kW turbines. SW Minnesota 2000-2001.

Assisted with project operations, including reporting to investors, installation of wireless remote telemetry system, supervision of gearbox retrofit, and troubleshooting electrical interconnect problems.

Shaokatan Hills: 18 Vestas 660kW turbines. SW Minnesota 2000-2001

Assisted with project operations, including reporting to investors, installation of wireless remote telemetry system, and troubleshooting electrical problems at interconnect point (auto-reclosure explosion).

Dispersed Wind: 48 Vestas 660 kW turbines. Minnesota 2000-2001

Assisted with siting of turbines, lease agreements with landowners, permit hearings, and oversight of design and construction of the project.

Mendota Hills: 63 Gamesa 800kW turbines. Illinois 2000-2001

Project Manager for siting of turbines, lease agreements with landowners, permit hearings, interconnect request and electrical design. Project consisted of 56 NM 52 900kW turbines originally, project was finally built in 2003 using Gamesa machines.

Viking Wind Project: 8 GE 1500 kW turbines. SW Minnesota 2002-2003

Project Engineer, worked on road and electrical layout, land leases, wind site assessment, landowner meetings pre construction.

Operating/Under Development Projects

Single Turbine Installations: Minnesota, Illinois, North Dakota, and Iowa 2000-2005

(Don Sieve Co-op, Glacial Ridge Windpower LLC, Compton Wind LLC, Wayzata H.S, Lakeview Ridge, Oriska Hills-Minnkota Power, Hibbing Wind LLC, Shaokatan Power Partners, MN Wind Share)

Responded to RFP or negotiated PPA with utility for nine single turbine projects ranging from 900 kW to 1800 kW. Project Manager for siting of turbines, lease agreements with landowners, permit hearings, wind site assessment, interconnect request and electrical design. Extensive use of pro formas to estimate revenues, work with project equity and debt to secure financing. Interfaced with contractors on project construction.

References