

ERIK E. NORDMAN, PH.D.

RÉSUMÉ

PRESIDENT
NORDMAN SUSTAINABILITY SOLUTIONS LLC

320 Mark Street
Spring Lake, Michigan, USA 49456
Phone: (616) 850-0214
Email: erik@nordmansustainability.com

ASSOCIATE PROFESSOR OF NATURAL
RESOURCES MANAGEMENT
GRAND VALLEY STATE UNIVERSITY

Natural Resources Management
Program
223 Henry Hall, 1 Campus Drive
Allendale, Michigan, USA 49401
Office phone: (616) 331-8705
Email: nordmane@gvsu.edu

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EDUCATION	Ph.D.	State University of New York (SUNY) College of Environmental Science and Forestry at Syracuse, 2006.
	M.S.	SUNY College of Environmental Science and Forestry at Syracuse, 1998.
	B.S.	SUNY College at Geneseo, 1995.

PROFESSIONAL POSITIONS	President, Nordman Sustainability Solutions LLC, Spring Lake, MI, 2010 - present
	Fulbright Visiting Professor, Dept. of Environmental Studies and Community Development, Kenyatta University, Nairobi, Kenya, 2012-2013
	Assistant/Associate Professor, Natural Resources Management, Biology Dept., Grand Valley State University (GVSU), Allendale, MI, 2006-present
	Graduate Research and Teaching Assistant, SUNY Environmental Science and Forestry, Syracuse, 2002-2006
	Independent GIS Consultant, Syracuse, NY, 2002-2005
	Environmental Analyst, NYSTEC, Rome, NY, 2000 – 2002
Tree Improvement Specialist, Indiana Dept. of Natural Resources, Vallonia, IN, 1999 – 2000	

LANGUAGE AND INTERNATIONAL EXPERIENCE	Country:	Kenya; Fulbright scholar (2012-13)
	Languages:	Kiswahili (Basic), French (Basic), Spanish (Basic)

ENERGY-RELATED PROJECTS AND PUBLICATIONS	PI: E. Nordman . 2012. "Teaching and research in renewable energy resource management at Kenyatta University, Kenya". Fulbright Scholar grant, US Dept. of State: \$84,400.
	PI: A. Boezaart (GVSU). 2011. "Lake Michigan Wind Assessment Study." US Dept. of Energy, Michigan Public Service Commission, We Energies of Wisconsin, and Sierra Club: \$2.7 million. Co-investigators: D. Assanis (U Michigan), J. Edmunson, J.

ENERGY GRANTS

Gehring (MI Nat. Features Inventory), B. Klatt (MI Nat. Features Inventory), G. Meadows (U Michigan), **E. Nordman** (GVSU), B. Vanzieleghem (U Michigan).

PI: **E. Nordman**. 2011. "Offshore wind energy outreach and education." **Michigan Energy Office: \$37, 230, MSU Coastal Community Development Grant: \$4,900**. Co-investigators: K. Walton (GVSU), J. VanderMolen (GVSU), V. Pebbles (Great Lakes Commission), J. Hummer (Great Lakes Commission), D. O'Keefe (Michigan Sea Grant)

PI: **E. Nordman**. 2008. "Locating wind energy facilities in Michigan's coastal counties: An integrated assessment for Muskegon and West Michigan" (The West Michigan Wind Assessment). **Michigan Sea Grant: \$139,912**. Co-investigators: P. Isely, J. Koches, K. Thompson (GVSU).

ENERGY-RELATED PEER REVIEWED JOURNAL PUBLICATIONS AND CONFERENCE PROCEEDINGS

Nordman, E., D. O'Keefe, and E. Arndt. (*In review*). Enhancing public engagement on offshore wind energy using *genius loci*: A case study from a Lake Michigan coastal community.

Nordman, E. (*In review*). Energy transitions in Kenya's tea sector: A wind energy assessment.

Nordman, E., J. VanderMolen, B. Gajewski, P. Isely, Y. Fan, J. Koches, K. Thompson, S. Damm, R. Gajewski, A. Ferguson, and C. Schoolmaster. (*In press*). *Locating wind energy facilities in Michigan's coastal counties: Final report of the West Michigan Wind Assessment*. Michigan Sea Grant technical report.

Nordman, E. 2013. Energy transitions in Kenya's tea sector: A wind energy assessment. *Proceedings of the International Sustainable Development Research Society's 19th Annual Conference*, Stellenbosch, South Africa.

Nordman, E., J. VanderMolen, B. Gajewski, and A. Ferguson. 2013. Great Lakes, great debates: Facilitating public engagement on offshore wind energy using the Delphi Inquiry approach. In, Richardson, Robert B. (ed.), *Building a Green Economy: Perspectives from Ecological Economics*. East Lansing, MI: Michigan State University Press.

Standridge, C., D. Zeitler, Y. Nieves, T. Turnage, and **E. Nordman**. 2012. Evaluating offshore wind resources and ecological conditions in Lake Michigan with a NOMAD buoy and laser sensor. *WINDPOWER 2012 Conference Proceedings*.

Nordman, E., D. Robison, L. Abrahamson, and T. Volk. 2005. Relative resistance of willow and poplar biomass production clones across a continuum of herbivorous insect specialization: Univariate and multivariate approaches. *Forest Ecology and Management* 217: 307-318.

ENERGY-RELATED OUTREACH AND TECHNICAL PUBLICATIONS

West Michigan Wind Assessment Issue Briefs (2009-13)

As author, co-author, or project PI, available at <http://www.gvsu.edu/wind>

- Regional response to a statewide renewable energy standard: Status and trends of wind energy development in West Michigan (2009)
- Wind energy deployment: Global lessons for West Michigan. Issue Brief 1
- Wind power and human health: Flicker, noise and air quality. Issue Brief 2
- Offshore wind energy: public perceptions and policy dimensions. Issue Brief 3.
- Citizen views on offshore wind energy: benefits, challenges, and information

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- gaps. Issue Brief 4
 - Wind energy economics: Potential economic development in West Michigan. Issue Brief 5
 - Wind energy economics: Production costs and additional impacts. Issue Brief 6
 - Reducing air pollution and carbon emissions in West Michigan with wind energy: Issue Brief 7
 - Electricity transmission and wind energy: Issue Brief 8
 - Environmental impacts of land-based wind energy in West Michigan (*in press*)
 - Offshore wind: Environmental benefits, challenges and consequences (*in press*)
 - Effects of wind farms on navigation (*in press*)

Offshore Wind Energy Outreach Project Publications (2011)

As author or co-author, available at <http://gvsu.edu/marec/offshore-wind-energy-outreach-83.htm>

- Offshore wind energy in Michigan: Implications for the Great Lakes Environment
 - Offshore wind energy in Michigan: Economic costs and benefits
 - Citizen views on offshore wind energy in Lake Michigan
 - Status of offshore wind energy in Michigan's Great Lakes
 - Public perceptions of offshore wind energy in Michigan's Upper Peninsula
 - Offshore wind energy outreach: wind farm visualization
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***ENERGY-RELATED
CONFERENCE AND
OUTREACH
PRESENTATIONS***

19th International Sustainable Development Research Conference. 2 July 2013. Stellenbosch, South Africa.

"Energy transitions in Kenya's tea sector: A wind energy assessment."

WINDPOWER 2012 (American Wind Energy Association). 6 June 2012. Atlanta, GA.

"Evaluating offshore wind resources and ecological conditions in Lake Michigan with a NOMAD buoy and laser sensor."

53rd Annual Regulatory Studies Program. 10 August 2011. Michigan State University, East Lansing, MI.

"5 Lessons from the West Michigan Wind Assessment"

Coastal Zone 2011. 17-21 July 2011. Chicago, IL.

"Integrated assessment for constructive collaboration with coastal communities."

"Offshore wind in Michigan: Public perceptions and resource assessment."

United States Society for Ecological Economics. 28 June 2011. Michigan State University, East Lansing, MI.

"Great Lakes, great debates: Facilitating public engagement on offshore wind energy using the Delphi Inquiry approach."

***PUBLIC AND
ACADEMIC
SERVICE***

Leadership Positions:

Board President: West Michigan Environmental Action Council, 2008-12

Michigan State Wind Outreach Team 2009-12

Program Coordinator: Natural Resources Management Program, 2008-10

Great Lakes Commission, Wind Energy Best Practices Working Group, 2009-11