

JEREMY FIRESTONE

School of Marine Science and Policy
College of Earth, Ocean and Environment
University of Delaware
373 Harker ISE Lab
Newark, Delaware 19716 USA
phone: 1.302.831.0228
fax: 1.302.831.6838
email: jf@udel.edu
URL: <http://www.ceoe.udel.edu/our-people/profiles/jf>
<http://scholar.google.com/citations?user=831LSZ8AAAAJ&hl=en>

EDUCATION

Ph.D. Public Policy Analysis, University of North Carolina at Chapel Hill (2000)
J.D. The University of Michigan Law School (1986)
B.S. Cellular and Molecular Biology, University of Michigan (1980), *Honors*

RESEARCH AND TEACHING INTERESTS

- Energy Policy, <http://www.ceoe.udel.edu/windpower/> and <http://carbonfree.udel.edu/>
- Governance (Regulation, Administrative Practice, Intergovernmental Relations, Conflict Resolution)
- International and Domestic Environmental Law, Management and Policy
- Fish and Wildlife Conservation and Management (marine mammals, fish and invasive species)
- Indigenous Rights and Resource Management

ACADEMIC APPOINTMENTS

University of Delaware, College of Earth, Ocean and Environment,
Professor, School of Marine Science and Policy, 2011-

Courses: Renewable Energy Law, Regulation and the Environment
Climate Change Policy, Equity and Mitigation
International Ocean and Environmental Policy
Legal Aspects of the Coastal Zone
Offshore Wind Power: Science, Engineering and Policy
U.S. Ocean and Coastal Policy
Marine Policy Graduate Seminar
The Law and You

Associate Professor, 2007-2011
Assistant Professor, 2001-2007

University of Delaware, Legal Studies Program

Professor of Legal Studies, 2011-present
Associate Professor of Legal Studies, 2007-2011
Assistant Professor of Legal Studies, 2004-2007
Legal Studies Associated Faculty, 2002-2004

University of Delaware, Center for Carbon-free Power Integration

Director, 2011-; Co-founder and Senior Research Scientist, 2008-2011

University of Delaware, Water Science and Policy Program

Program Committee Member, 2017-
Faculty Affiliate, 2016-

University of Delaware Environmental Institute (DENIN)

Faculty Affiliate, 2014-

Ocean University of China, School of Law and Social Science

Visiting Professor, Spring 2015

Courses: US Energy Law

University of Maine School of Law

Visiting Professor, Spring 2008

Courses: Climate Change Law

Duke University Law School

Senior Lecturer in Law, Spring 2001

Courses: Natural Resource Law

University of North Carolina at Chapel Hill, Public Policy Analysis

Visiting Assistant Professor, Fall 2000

Instructor, Fall 1997 and Fall 1998

Courses: Ethics in Public Policy Decisionmaking

The University of Michigan Law School,

Research Assistant to Professor Charles Wilkinson, January – June 1986

The University of Michigan, Department of Biochemistry,

Research Assistant to Professor Merle Mason, 1980-1981

OTHER PROFESSIONAL POSITIONS

Assistant Attorney General, **Michigan Department of Attorney General, Environmental Protection and Natural Resources Divisions**, 1989-1996

Acting Supervisor, **United States Environmental Protection Agency**, Region I (Boston),
Office of Regional Counsel, Superfund Removal Program, February - May 1989

Assistant Regional Counsel, **United States Environmental Protection Agency**, Region I
(Boston), 1986-1989

Northern California Campaign Director, **California Water Resources Conservation Initiative**,
February - June 1982

INTERNSHIPS

Resources for the Future, Washington, D.C., June - July 1997

Natural Resources Defense Council, San Francisco, CA, August - December 1984; May -
August 1985 (Federal Reclamation Policy under direction of Hamilton (Hal) Candee)

CONSULTING

Lawrence Berkeley National Lab, US Department of Energy, 2015-present
 The United States Commission on Ocean Policy, October – November 2003
 The University of North Carolina at Chapel Hill, Environmental Finance Center (EFC@UNC),
 Office of Economic Development, August 2000 – May 2001
 The Michigan Department of Environmental Quality, Environmental Response Division, June -
 September 1999

JOURNAL ARTICLES

- Firestone, J. Bates, A., and Prefer, A. 2018. Power transmission—Where the offshore wind energy comes home, *Environmental Innovations and Societal Transitions*, 29, 90-99, <https://doi.org/10.1016/j.eist.2018.06.002>
- Firestone, J., Bidwell, D., Gardner, M., Knapp, L. 2018. Wind in the Sails or Choppy Seas?: People-Place Relations, Aesthetics and Public Support for the United States' First Offshore Wind Project, *Energy Research and Social Science*, 40: 232-243.
- Firestone, J., Hoen, B., Rand, J., Elliot, D., Hubner, G., & Pohl, J. 2017. Reconsidering Barriers to Wind Power Projects: Community Engagement, Developer Transparency and Place *Journal of Environmental Policy & Planning*, 20(3): 370-386, DOI: <https://doi.org/10.1080/1523908X.2017.1418656>, pre-print available at <https://emp.lbl.gov/publications/reconsidering-barriers-wind-power>
- Burt, M., Firestone, J., Madsen, J.A., Veron, D.E., and Bowers, R. 2017. Tall towers, long blades and manifest destiny: The migration of land-based wind from the Great Plains to the thirteen colonies, *Applied Energy*, 206: 487-497, open access at <http://www.sciencedirect.com/science/article/pii/S0306261917312035>
- Noel L, and Firestone, J, 2015. Public Trust Doctrine Implications of Electricity Production, *Michigan Journal of Environmental & Administrative Law*, 5(1): 169-256, available at <http://repository.law.umich.edu/mjeal/vol5/iss1/4>
- Firestone, J., Archer, C.A., Gardner, M.P., Madsen, J.A., Prasad, A.K., Veron, D.E., 2015. The time has come for offshore wind power in the US, *Proceedings of the National Academy of Sciences*, 112(39):11985-11988, doi: 10.1073/pnas.1515376112
- Bates, A. and Firestone, J., 2015. A Comparative Assessment of Offshore Wind Power Demonstration Projects in the United States, *Energy Research and Social Science*, 10:192-205
- Firestone, J., Bates, A. and Knapp, L., 2015. See me, Feel me, Touch me, Heal me: Wind Turbines, Culture, Landscapes, and Sound Impressions *Land Use Policy*, 46:241-249 (2015), Published doi:10.1016/j.landusepol.2015.02.015. Open Access.
- Samoteskul, K., Firestone, J., Corbett, J., Callahan, J., 2014. Analysis of Vessel Rerouting Scenarios to Open Areas for Offshore Wind Power Development Reveals Significant Societal Benefits, *Journal of Environmental Management*, 141: 146-154
- Lilley, J. and Firestone, J, 2013. The effect of the gulf oil spill on public attitudes toward offshore oil drilling and wind development, *Energy Policy*, 62: 90-98
- Kao, S-M, N.S. Pearre, J. Firestone, 2012. Regional Cooperation in the South China Sea: Analysis of Existing Practices and Prospects, *Ocean Development and International Law*, 43:283–295, DOI: 10.1080/00908320.2012.698926
- Firestone, J., Kempton, W., Lilley, M.B., Samoteskul, K., 2012. Public acceptance of offshore wind power across regions and through time, *Journal of Environmental Planning and Management*, 55(10): 1369-1386, DOI:10.1080/09640568.2012.682782
- Firestone, J., Kempton, W., Lilley, M.B., Samoteskul, K., 2012. Public acceptance of offshore wind power: Does perceived fairness of process matter?, *Journal of Environmental Planning and Management*, 55(10): 1387 – 1402, DOI:10.1080/09640568.2012.688658

- Sheridan, B., S.D. Baker, J. Firestone, W. Kempton, N. Pearre, 2012. Calculating the offshore wind power resource: Robust assessment methods applied to the U.S. Atlantic Coast, *Renewable Energy*, 43, 224-233. Published doi:[10.1016/j.renene.2011.11.029](https://doi.org/10.1016/j.renene.2011.11.029)
- Kao, S-M, N.S. Pearre, J. Firestone, 2012. Adoption of the arctic search and rescue agreement: A shift of the arctic regime toward a hard law basis?, *Marine Policy*, 36: 832-838
- Dhanju, A., J. Firestone, and W. Kempton, 2011. Potential Role of Power Authorities in Offshore Wind Power Development, *Energy Policy* 39: 7025-7035
- Levitt, A.C., W. Kempton, A.P. Smith, W. Musial, J. Firestone, 2011. Pricing offshore wind in the US, *Energy Policy* 39(10): 6408-6421
- Krueger, A., G. Parsons, and J. Firestone, 2011. Preferences for Offshore Wind Power Development: A Choice Experiment Approach, *Land Economics*, 87(2): 268-83
- Wang, H. and J. Firestone, 2010. The Analysis of Country-to-Country CDM Permit Trading using the Gravity Model in International Trade, *Energy for Sustainable Development*, 14: 6-13, doi:10.1016/j.esd.2009.12.003
- Lilley, M.B., J. Firestone, and W. Kempton, 2010. Offshore Wind Energy Development and Coastal Tourism in Delaware: An Examination of Potential Impacts and Opportunities, *Energies* 3, 1-22; doi:10.3390/en3010001, <http://www.mdpi.com/1996-1073/3/1/1/pdf>
- Dhanju, A. and J. Firestone, 2009. Access System Framework for Regulating Offshore Wind Power in State Waters, *Coastal Management* 37(5): 441-478
- Firestone, J., 2009. Policy Considerations and Measures to Reduce the Likelihood of Vessel Collisions with Great Whales, *Boston College Env'tl Affairs Law Review*, 36: 389-400, http://www.bc.edu/schools/law/lawreviews/meta-elements/journals/bcealr/36_2/ealr_36_2_web.pdf
- Vanderlaan, A.S.M., Corbett, J.J., Lyons, S.B., Callahan, J.A., Wang, C., Kenney, R.D., Taggart, C.T., and Firestone, J., 2009. Probability and Mitigation of Vessel Encounters with North Atlantic Right Whales, *Endangered Species Research* doi: 10.3354/esr00176, 6: 273-285, available at <http://www.int-res.com/articles/esr2008/6/n006p273.pdf>
- Firestone, J., W. Kempton, and A. Krueger, 2009. Public Acceptance of Offshore Wind Power Projects in the United States, *Wind Energy*, 12(2): 183-202; 10.1002/we.316
- Lilley, M.B. and J. Firestone, 2008. Wind Power, Wildlife, and the Migratory Bird Treaty Act: A Way Forward, *Environmental Law*, 38(4): 1167-1214
- Wang, C., J.J. Corbett, and J. Firestone, 2008. Improving Spatial Representation of Global Ship Emissions Inventories, *Environmental Science & Technology*, 42: 193-199, *adapted from conference paper* Adapting Bottom-up Methods to Top-Down Spatially Resolved Ship Emissions Inventories, Transportation Research Board, TRB 2006, Washington, D.C. (2007),
- Firestone, J., S.B. Lyons, C. Wang, and J.J. Corbett, 2007. Statistical Modeling of Right Whale Migration along the Mid-Atlantic Region of the Eastern Seaboard of the United States, *Biological Conservation*, 141: 221-232 doi:10.1016/j.biocon.2007.09.024
- Wang, C., J.J. Corbett, and J. Firestone, 2007. Modeling Energy Use and Emissions from North American Shipping: an Application of Ship Traffic, Energy, and Environment Model, *Environmental Science & Technology*, doi: [10.1021/es060752e](https://doi.org/10.1021/es060752e)
- Firestone, J. and W. Kempton, 2007. Public Opinion about Large Offshore Wind Power: Underlying Factors, *Energy Policy*, 35: 1584-1598
- Firestone, J. and C. Jarvis, 2007. Response and Responsibility: Regulating Noise Pollution in the Marine Environment, *Journal of International Wildlife Law and Policy*, 10(2): 109-52
- Firestone, J. and J.J. Corbett, 2005. Coastal and Port Environments: International Legal and Policy Responses to Reduce Ballast Water Introductions of Potentially Invasive Species, *Ocean Development and International Law*, 36(3): 291-316, *revised and adapted from conference paper*, Transporting to The Port Environment: International Legal and Policy Responses to Reduce Ballast Water Species Introductions, Second IUCN Academy of Environmental Law Colloquium, University of Nairobi, Nairobi, Kenya, 4-7 October 2004, *republished in I Sustainable Development Law & Policy*, 7: 45 (2006)

- Kempton, W., J. Firestone, J., J. Lilley, T. Rouleau, and P. Whitaker, 2005. The Offshore Wind Power Debate: Views from Cape Cod, *Coastal Management*, 33(2): 121-151
- Firestone J., J. Lilley, and I. Torres de Noronha, 2005. Cultural Diversity, Human Rights and the Emergence of Indigenous Peoples in International and Comparative Environmental Law, *American University International Law Review*, 20:219-292
- Firestone, J. and J. Lilley, 2004. An Endangered Species: Makah Aboriginal Whaling and the Right to Self-Determination and Cultural Heritage in a National and International Context, *Environmental Law Reporter* (Environmental Law Institute), 34: 10763-10787 (September 2004) *adapted, revised and republished*, 2005. Aboriginal Subsistence Whaling and the Right to Practice and Revitalize Cultural Traditions and Customs, *Journal of International Wildlife Law and Policy*, 8(2-3): 177-219
- Firestone, J., W. Kempton, A. Krueger, and C.E. Loper, 2004. Regulating Offshore Wind Power and Aquaculture: Messages from Land and Sea, *Cornell Journal of Law and Public Policy*, 14(1): 71-111, *republished* 2005. *Environmental Law Reporter* (Environmental Law Institute), 35:10289-10307 (May 2005), *republished* 2005. *Oil, Gas, Energy Law Intelligence* (OGEL), www.gasandoil.com/ogel/, 3(2) (June 2005)
- Firestone, J. and R. Barber, 2003. Fish as Pollutants: Limitations of and Crosscurrents in Law, Science, Management, and Policy, *Washington Law Review*, 78(3): 693-756
- Firestone, J. and J. Corbett, 2003. Maritime Transportation: A Third Way for Port and Environmental Security *Widener Law Symposium Journal*, 9: 419-437
- Firestone, J., 2003. Enforcement of Pollution Laws and Regulations: An Analysis of Forum Choice, *Harvard Environmental Law Review*, 27(1): 105-176 *republished* 2005. Chapter 10, *Regulators' Choice of Strategies*, MAKING LAW WORK: ENVIRONMENTAL COMPLIANCE & SUSTAINABLE DEVELOPMENT, Durwood Zaelke, Donald Kanariu, and Eva Kružiková, eds., Cameron May, London
- Firestone, J., 2002. Agency Governance and Enforcement: The Influence of Mission on Environmental Decisionmaking, *Journal of Policy Analysis and Management*, 21(3): 409-426

BOOKS and BOOK CHAPTERS

- Firestone, J., 2017. Legal Framework to Develop Offshore Wind Power in United States, Ch. 6. in Anton Ming-Zhi Gao and Chien-Te-Fan, Eds. THE DEVELOPMENT OF A COMPREHENSIVE LEGAL FRAMEWORK FOR THE PROMOTION OF OFFSHORE WIND POWER. Kluwer Law
- Firestone, J. and J. Kehne, 2011. Wind Energy, in Michael Gerrard, Ed., THE LAW OF CLEAN ENERGY: EFFICIENCY AND RENEWABLES, American Bar Association
- Madsen, J. Bates, A., Callahan, J., Firestone, J. 2011. Use of Geospatial Techniques in Planning for Offshore Wind Facilities in J.K. Thakur, S.K. Singh, A. Ramanathan, M.B.K. Prasad, W. Gossel, Eds. GEOSPATIAL TECHNIQUES: MANAGING ENVIRONMENTAL RESOURCES, Springer and Capital Publication
- Firestone, J., 2011. Perceptions and Preferences Regarding Offshore Wind Power in the United States-The Leading Edge in Patrick Devine-Wright, Ed. PUBLIC ENGAGEMENT AND RENEWABLE ENERGY, Earthscan
- Firestone, J., S. Butterfield, C. Jarvis, and J. Clarke, 2009. Offshore Wind Power on the Horizon: A New Energy Frontier for Oceans, People and Wildlife, pp. 117-124 in N.R. Khadpekar, Ed., WIND POWER: ALTERNATIVE ENERGY SOURCE (Icfai University Press)
- Jeffrey, M., J. Firestone, and K. Bubna-Litic, Eds., 2007. BIODIVERSITY, LAW AND LIVELIHOODS: BRIDGING THE NORTH-SOUTH DIVIDE, IUCN ACADEMY OF ENVIRONMENTAL LAW RESEARCH STUDIES, VOL. 3, Cambridge University Press
- Firestone, J., and J. Lilley, Bridging the Dominant-Indigenous Peoples Cultural Divide: Reflections on Makah Whaling, 2008. in Jeffrey, M., J. Firestone, and K. Bubna-Litic, Eds., BIODIVERSITY, LAW AND LIVELIHOODS: BRIDGING THE NORTH-SOUTH DIVIDE, IUCN

ACADEMY OF ENVIRONMENTAL LAW RESEARCH STUDIES, VOL. 3, Cambridge University Press

- Firestone, J., 2006. Offshore Marine Aquaculture in U.S. Federal Waters: Picking up the Pieces and Painting a Picture, Ch. 15 in D. VanderZwaag and G. Chao, Eds., *AQUACULTURE LAW AND POLICY: TOWARDS PRINCIPLED ACCESS AND OPERATIONS*, Routledge
- Firestone, J. and T. Polacheck, 2003. The Effectiveness of the UN Convention on the Law of the Sea in Resolving International Fisheries Disputes: The Southern Bluefin Tuna Case, Ch. 9, pp. 241-270 in Harrison, N. and G. Bryner, Eds., *SCIENCE AND POLITICS IN THE INTERNATIONAL ENVIRONMENT*, Landham, MD: Rowman & Littlefield Publishers

MANUSCRIPTS UNDER REVIEW or WORKING PAPERS

- Firestone, J. and Kirk, H., Social acceptance of wind power projects reconsidered: The strong relative preference for wind turbines among their neighbors (under review, *Nature Energy*)
- Hubner, G., & Pohl, J., Hoen, B., Firestone, J., Rand, J., Elliot, D., Haac, R. Monitoring annoyance and stress effects of wind turbines on nearby residents: a comparison of U.S. and European samples (revise and resubmit, *Environment International*)
- Hoen, B., Firestone, J., Rand, J., Elliot, D., Hubner, G., Pohl, J., Wiser, R., Lantz, E., Haac R., Kaliski, K., Attitudes of U.S. Wind Turbine Neighbors: Analysis of a Nationwide Survey (under review, *Energy Policy*)
- Haac, R., Kaliski, K., Landis, M., Hoen, B., Rand, J., Firestone, J., Elliot, D., Hubner, G., & Pohl, J. Audibility and attitudes: the role of sound levels in reaction to wind turbines in a large U.S. survey (under review, *Journal of the Acoustical Society of America*)
- Parsons, G., Firestone, J., Touissant, J., Yan, L. The Effect of Offshore Wind Power Projects on Recreational Beach Use: A Contingent-Behavior Study on the East Coast of the United States, (under review, *Resource and Energy Economics*)
- Bates, A., Firestone, J. and Jardine, S., Accounting for Commercial Fishing Interests in Offshore Wind Planning (In prep.)
- Knapp, L., and Firestone, J., Does One Mode Fit All: Impacts on Measuring Perceptions of Climate Change and Renewable Energy Policy Futures (In prep.)

BOOK REVIEWS and REVIEW ESSAYS

- Firestone, J., Review of Wind power and power politics: international perspectives, ed. by Peter A. Strachan, David Toke, and David Lal. Routledge, 2010 for Choice Reviews for Academic Libraries, 47-5046, TJ820, 2008-30927 CIP (May 2010).
- Firestone, J., Dilemmas and Dimensions of Non-indigenous Organisms and Pathogens in the Marine Environment: A Sea Change *Journal of International Wildlife Law and Policy*, 9(1):123-32 (2006)
- Firestone, J. Review of Joseph F.C. DiMento, *THE GLOBAL ENVIRONMENT AND INTERNATIONAL LAW*, *Environment*, 45(10): 36 December 2003 (2003)

CONFERENCE PAPERS

- Firestone, J., Regulating Climate Change: Offshore Wind Power in the United States, International Conference on Comprehensive Legal Framework for the Development of Offshore Wind Power Around the World, Taipei, Taiwan, August 2016

- Firestone J., Offshore Wind Power In A Busy Ocean: Some Thoughts on Spatial Planning of the US Mid-Atlantic's Marine and Coastal Environment, Taipei, Taiwan, December 2015
- Samoteskul, K., Firestone, J., Callahan J., and J. Corbett, Vessel Traffic Rerouting to Hasten Offshore Wind Power Development and Enhance Net Societal Benefits (and poster presentation) EWEA Offshore Wind Power Conference, Frankfurt, Germany, November 2013
- Alison Bates, Jeremy Firestone, John Madsen, Accounting for Commercial Fishing Interests in Offshore Wind Planning, EWEA Offshore Wind Power Conference, Frankfurt, Germany, November 2013
- Wang, C., S.B. Lyons, J.J. Corbett, and J. Firestone, Using ship speed and mass to describe potential collision with whales: An application of the Ship Traffic, Energy and Environment Model (STEEM), Transportation Research Board, TRB (2007)
- Firestone J., Riding the Next Wave: From Values Adrift at Sea to a Sea of Values, 32nd National Spring Conference on the Environment, Protecting Oceans: Legal and Policy Responses to the Decline of Marine Ecosystems Baltimore, Maryland, June 11, 2004

RESEARCH REPORTS

- Parsons, G. and Firestone, J., Atlantic Offshore Wind Energy Development: Values and Implications for Recreation and Tourism, OCS Study, BOEM 2018-013 (March 2018), <https://www.boem.gov/espis/5/5662.pdf>
- Firestone, J., Burt, M., Madsen J., Veron D., Bowers R., Tall Towers, Long Blades and Manifest Destiny: The Migration of Land-based Wind from the Great Plains to the First State (2016), www.ceoe.udel.edu/windpower (also available as modified in peer review publication)
- Bates, A., Samoteskul, K., Callahan, J. and J. Firestone, Delaware Marine Spatial Planning (2012), <http://carbonfree.udel.edu>
- United States' Country Report to the International Energy Agency's Social Acceptance of Wind Energy Projects: "Winning Hearts and Minds" State of the Art Report (Firestone, J, contributing author) (May 2010), http://www.socialacceptance.ch/images/State-of-the-Art_Acceptance_Wind_Energy_USA.pdf
- Firestone, J., S. W. Kempton, B. Sheridan, and S. Baker, 2010, "Maryland's Offshore Wind Power Potential, A report sponsored by the Abell Foundation (2010), http://www.abell.org/pubsitems/env_Offshore.full.report-2-18-10.pdf
- Firestone, J., W. Kempton, A. Krueger, Delaware Opinion on Offshore Wind Power, prepared pursuant to a grant from the Delaware Energy Office, January 2008, <http://www.ceoe.udel.edu/Windpower/docs/FinalDNRECOpinionReport.pdf>
- Dhanju, A. and J. Firestone, Draft Framework for Regulation of Offshore Wind Power in State Waters, prepared pursuant to a grant from the Delaware Energy Office, January 2008, <http://www.ceoe.udel.edu/Windpower/>
- Firestone, J., Kempton, W., and A. Krueger, Delaware Opinion on Offshore Wind Power, Interim Report, January 2007
- Corbett, J.J., C. Wang, and J. Firestone, Estimation, Validation, and Forecasts of Regional Commercial Marine Vessel Inventories, Tasks 1 and 2: Baseline Inventory and Ports Comparison, Prepared for the California Air Resources Board and the California Environmental Protection Agency, and for the Commission for Environmental Cooperation in North America, 3 May 2006, available at <http://coast.cms.udel.edu/NorthAmericanSTEEM/>
- Cicin-Sain, B., S.M. Bunsick, J. Corbin, M. R. DeVoe, T. Eichenberg, J. Ewart, J. Firestone, K. Fletcher, H. Halvorson, T. MacDonald, R. Rayburn, R. Rheault, and B. Thorne-Miller, with the assistance of J. Didden and M. Blaydes. 2005. Recommendations for an Operational

- Framework for Offshore Aquaculture in U.S. Federal Waters. Technical Report. Gerard J. Mangone Center for Marine Policy, University of Delaware
- Firestone J., International Fisheries Management, Section of Chapter on Fisheries Management for Final Report of the U.S. Commission on Ocean Policy, November 2003
- Firestone J. and Cicin-Sain, B., International Chapter for Final Report of the U.S. Commission on Ocean Policy, November 2003
- Firestone, J., Hydropower Relicensing: Opportunities for and Obstacles to Environmental Quality Improvements and Recreational Enhancements on Southeastern Rivers, UNC Environmental Finance Center, 2001,
<http://www.efc.unc.edu/publications/2001/HydroLicensing.PDF>
- R. Whisnant, R. Norton, and J. Firestone, Costs and Financing Options for the North Carolina Million Acres Initiative, UNC Environmental Finance Center, 2001,
<http://www.efc.unc.edu/publications/2001/MillionAcresReport.pdf>

INFORMAL WRITING

- Firestone, J., Hoen, B., and Rand, J. Are public objections to wind farms overblown? The Conversation, <https://theconversation.com/are-public-objections-to-wind-farms-overblown-95728>

INVITED TALKS & WORKSHOP and WEBINAR PRESENTATIONS

- Panel Discussion of the Intergovernmental Panel on Climate Change Special Report on Global Warming of 1.5°C, Panel Participant, DENIN Ambassadors, November 2018
- Guest Lecture, Place Meaning and the Block Island Offshore Wind Project, ENSC/ENVR 101, Introduction to the Environment, November 2018
- Winds of Change: The Vision and Vistas of Offshore Wind Power, Delaware to the World, Rehoboth Beach, DE, September 2018
- Place Meanings, Project Representations and Public Perceptions of the Block Island Offshore Wind Power Project, Town of New Shoreham, RI, September 2018
- Block Island Offshore Wind Power Project: In Place or Out-of-Place? Place Meanings, Project Representations, & Public Perceptions, University of Rhode Island, September 2018
- Offshore Wind Energy in Delaware, Focus on the Delaware Coast Seminar Series, Panel Discussion, Panel Participant, Bethany Beach, Delaware, July 2018
- ENEP 467: Global Perspectives on Environment and Energy, Spring 2018
- Guest Lecture, Block Island Offshore Wind Power Project, ENSC/ENVR 101, Introduction to the Environment, November 2017
- Wind Turbines off Delaware's Coast: Second Time the Charm? DuPont Interdisciplinary Science Learning Laboratories, University of Delaware, November 2017
- Public Support for Wind Power: Fair Process, People-Place Relations, and Aesthetics, A Dry/Wet Tale in Two Acts. National Renewable Energy Lab (NREL), National Wind Technology Center, October 2017
- Offshore Wind Power: Can New Jersey find a place at the table? Montclair State University, New Jersey, September 2017
- Wind Power: A Journey through the US and Africa, UD Undergraduate Scholars, July 2017
- The Nature of Offshore Wind Energy Concerns, 15th Baird Sea Grant Science Symposium, The Social Dimensions of American Offshore Wind Energy: Towards a Research Agenda, University of Rhode Island, October 2016
- Guest Lecture, International Law of Sustainable Development, University of Massachusetts at Amherst, February 2016

Values and Perceptions of Place, Offshore Wind Energy, and the Environment along the Eastern Seaboard, University of Massachusetts at Amherst, NSF IGERT, February 2016

Offshore Wind Development & Mid-Atlantic Planning, National Sun Yat-sen University, Graduate Institute of Marine Affairs, Kaohsiung City, Taiwan, December 2015

Offshore Wind: An Overview, National Sun Yat-sen University, Graduate Institute of Marine Affairs, Kaohsiung City, Taiwan, December 2015

Resolution of Conflicts Among Competing Users and Uses of the Ocean in an era of Offshore Wind Power, International Workshop on National Laws and Policy for Offshore Wind Energy, Taipei, Taiwan, December 2015

Ocean University of China, Law Faculty Seminar, Coastal and Offshore Wind Power: A Two Act Story of Culture & Landscape, Qingdao, China, May 2015

Nanjing University, A New Energy Paradigm for the South China Sea: Cooperation around Climate, Air Quality and Windpower, Nanjing, China, May 2015

Ocean University of China, Biodiversity Beyond State Jurisdiction, Qingdao, China, May 2015

Xiamen University, Governance of Marine Biodiversity in Areas Beyond State Jurisdiction, Xiamen, China, April 2015

Cardiff University, Wind Power, Culture and Landscape: A Story in Three Acts, Wales, UK, March 2015

Exeter University, Wind Power, Culture and Landscape: A Story in Three Acts, England, UK, March 2015

DTU Riso, How do we now it? Best and worst practices (workshop panel presenter), Workshop on Public Engagement Strategies and Wind Energy, EERA Joint Programme on Wind Energy, Sub-programme: Economic and Social Aspects of Wind Integration, Roskilde, Denmark, March 2015.

Colby College, Fall 2014 Environmental Studies Evening Lecture Series, The Long and Winding Road: The Cape Wind Project in Nantucket Sound, October 2014

Science and Policy Considerations in Measures to Reduce the Likelihood of Ship Strikes of Great Whales, Colby College, October 2014

Mid-Atlantic Offshore Wind Power and Fisheries, Public Listening Session, Mid-Atlantic Fishery Management Council, Wilmington, DE, August 2013

Dean's Advisory Council, College of Earth, Ocean and Environment (CEOE), Center for Carbon-free Power Integration Research, May 4, 2012

Environmental Law Institute (*Invited Presentation*), Point Sources and Pollutants: Using the Clean Water Act to Regulate Offshore Aquaculture Discharges, December 2012

Osher Lifelong Learning Course, Sustainable Energy - Can We Make It Happen?, Lewes, Delaware, October 2012

Delaware Sea Grant Advisory Council, "Marine Spatial Planning off of the Delaware Coast, Dover, DE, April 2012

Virginia Institute of Marine Studies, Virginia Sea Grant, "Coastal Wind: Opportunities for Research, Partnership, Education, and Stewardship - The UD Experience" March 2012

Offshore Wind Power (*Invited Panelist*), University of North Carolina at Chapel Hill, November 2011

Inaugural Year⁺ Review, Coast Day, University of Delaware, Lewes, DE, Oct 2011

Public Acceptance of Wind Energy: Does Perceived Fairness of Process Matter? University of Hawaii-Manoa, September 2011

US Offshore and Coastal Wind Power in 2011: Progress, Vision, Vistas and Threats, University of Hawaii-Manoa, January 2011

Offshore Wind Power: The Shape of Things to come to Hawaii?, University of Hawaii-Manoa, January 2011

Environmental and Social Considerations, Cornell University Wind Energy Planning Workshop (invited oral presentation), December 2010

Findings of the Offshore Wind Energy Workshop, on behalf of the Marine Board, Transportation Research Board of the National Academies, DOI-DOE Workshop, Atlantic City, NJ, Oct. 2010

A Wind Turbine at the UD Lewes Campus: An Opportunity for Clean Energy, Research, Education and Partnership, Delaware Governor's Energy Advisory Council, May 2010

Offshore and Coastal Wind Power: Progress, Vision, Vistas and Threats, Department of Geography, University of Delaware, Department of Geography, May 2010

Offshore and Coastal Wind Power: Vision, Vistas and Outlook, Sanford School, AP Environmental Science, Hockessin, DE, April 2010

Wind Power on the Coastal Horizon: An Earth Day Update on Progress, Threats and Trade-offs, Widener Law School, Wilmington, DE, April 2010

A Wind Turbine at the UD Lewes Campus: An Opportunity for Clean Energy, Research, Education and Partnership, February 2010

Public Acceptance of Energy Technologies Panel, National Academy of Sciences Workshop on Addressing the Challenges of Climate Change Through the Behavioral and Social Sciences, Washington, D.C., December 2009

A Hitchhikers Guide to Commercial Shipping – Ballast Water Biology, Uncertainty, Management and Politics, Williams College, Class of 1960 Visitor, November 2009

Offshore Wind Power: Visions, Vistas and Outlook, Williams College, Class of 1960 Visitor, November 2009

Public Acceptance in 2009 of Offshore Wind in the US, Wind Energy and Social Acceptance Forum, National Renewable Energy Laboratory (NREL)/International Energy Agency (IEA) Social Acceptance Energy Meeting, National Wind Technology Center, Boulder, Colorado, October 2009

Public Acceptance: Story in Three Acts, Michigan Great Lakes Wind Council, Lansing, MI, April 2009

Lessons from Delaware: A Story in Four Acts, Friends of Agriculture, Dover Delaware, November 2008

Offshore Wind Power, The Shape of Things to Come off of Maine?, Cape Wind Forum, (key note address and panel moderator), University of Maine Law School and the Center for Law & Innovation, Portland, Maine, April 2008

Offshore Wind Power Assessment using Ship-based Wind Speed Measurements to Supplement NOAA buoy data, National Renewable Energy Laboratory (NREL), National Wind Technology Center, Boulder, Colorado, March 2008

Ship Collisions with North Atlantic Right Whales, National Oceanic and Atmospheric Administration, May 2006

Implementation of Section 388 of the Energy Policy Act of 2005, U.S. Minerals Management Service, January 2006

The Energy Policy Act of 2005: Implications for Oceans and Coasts, The Ocean and Coastal Policy Roundtable, Washington, D.C., January 2006

J., Cultured Fish as Pollutants, National Marine Aquaculture Task Force Meeting (convened by Pew and WHOI), Seattle, WA, November 2005

Jacksonville to Provincetown Right Whale Data Analysis, Vessel-Right Whale Encounter Probabilities, Evaluation Workshop, New Bedford, MA, November 2005

Kempton, W. and J. Firestone, Offshore Wind on the US Eastern Seaboard: Public Reaction (*Oral Presentation by W. Kempton*) NREL, Golden, Colorado, October 2005

Factors Underlying Public Opinion about Offshore Wind Power Development in Nantucket Sound, Woods Hole Oceanographic Institution (WHOI), August 2005

Offshore Wind Power Regulation Consideration, Wind Energy and Wildlife: The Good, the Bad ... the Possible, Princeton University, May 2005

- Public Reaction to Wind Power off of Cape Cod, Coastal States Organization Legal Council Meeting/NOAA OCRM Ocean and Coastal Program Managers' Meeting, Washington, D.C., March 2004
- A Framework for Regulation of Offshore Aquaculture, Coastal States Organization Legal Council Meeting/NOAA OCRM Ocean and Coastal Program Managers' Meeting, Washington, D.C., March 2004
- Marine Fisheries Policy in the EEZ and on the High Seas, Duke University, Nicholas School of the Environment, February 2004
- Risk Assessment for Ballast Water Introduced Species Policy Issues, US EPA, NOAA, U.S. Coast Guard in advance of IMO Ballast Water Convention Negotiations Washington, D.C., June 2003
- Technology Policy Implications for Ballast Water Introductions of Non-indigenous Species, Michigan Department of Environmental Quality, Lansing, Michigan, June 2003
- Toward an Operational Framework for Mariculture in US Jurisdictional Waters, Canadian Law & Policy Workshop, International Comparative Law and Policy Experiences Panel, AquaNet Law and Policy Project and Dalhousie Law School, Halifax, Nova Scotia, Canada, February 2003
- Marine Protected Areas and Coastal Resource Preservation in the United States, to visiting delegation from the Gyeongsanbuk-do Province, South Korea, Center for Energy and Environmental Policy, University of Delaware, June 2002
- Hydroelectric Dam Policy, University of Delaware, Urban Affairs and Public Policy, March 2002
- Agency Governance and Enforcement: The Influence of Mission on Environment Decisionmaking, Legal Studies Seminar, University of Delaware, March 2002

CONFERENCE/WEBINAR PRESENTATIONS

- Firestone, J., Panel Convener, Moderator and Discussant, Relation to Place Within Socio-Technical Energy Transitions, Royal Geographical Society & Institute of British Geographers, Annual International Conference 2018, Cardiff, UK, August 2018
- Firestone, J. Offshore Wind Power, Complexity, Conflict, Cooperation and Cases, NY City Bar Association, May 2018.
- Firestone, J., Block Island Offshore Wind Project: People-Place Relations and Aesthetics. International Offshore Wind Partnering Forum, Princeton, NJ, April 2018
- Firestone, J., Public Support for Wind Power in the United States: Fair Process, People-Place Relations, and Aesthetics. AWEA Project Siting Conference, Memphis, TN, March 2018
- Firestone, J., Planning Process Fairness and Attitudes, National Survey of Attitudes of Wind Power Project Neighbors, Lawrence Berkeley National Lab Webinar, February 2018
- Firestone, J., Public Support for Wind Power in the United States: Fair Process, People-Place Relations, and Aesthetics. 3d International Workshop on National Laws and Policy for Offshore Wind Energy, Taipei, Taiwan (via mp4 file), December 2017
- Firestone, J., Procedural fairness, developer transparency & the energy transformation: A survey of public perceptions across the USA of wind project communities. Energy Impacts Conference, Columbus, Ohio, July 2017
- Firestone, J., New interactive methods for engaging and understanding stakeholder views on siting strategies and spatial planning. Organized and participated in this panel session using e-clicker's. International Offshore Wind Partnering Forum, Annapolis, MD, April 2017
- Firestone, J., Procedural fairness, developer transparency and the energy transformation. Energy Research and Social Sciences Conference. Stiges, Spain, April 2017

- Firestone, J., Moderator, Roundtable Forum: Lessons Learned from Countries in the Pacific Asian Region, International Conference on Comprehensive Legal Framework for the Development of Offshore Wind Power Around the World, Taipei, Taiwan, August 2016
- Firestone, J., Regulating Climate Change: Offshore Wind Power in the United States, International Conference on Comprehensive Legal Framework for the Development of Offshore Wind Power Around the World, Taipei, Taiwan, August 2016
- Firestone, J., Top Ten Times Two, Offshore Wind's Challenges and Opportunities, Association of Environmental Studies and Sciences, American University, Washington, DC, June 2016
- Firestone, J., A Place at the Table, Public Participation and Engagement in Wind Power Siting in the United States, 2016 Energy Policy for Bridging and Communication Forum, National Environmental Program (NEP), Taipei, Taiwan, August 2016
- Firestone, J., Wind Power at a Distance: A Voyage around the Globe, US and Africa, UD-Africa Conference, Newark, DE, April 2016
- Firestone, J., Top Ten Times Two, Offshore Wind's Challenges and Opportunities, Advanced Energy Conference, New York, New York, April 2016
- Firestone, J., Tradeoffs between Offshore Wind Development and Commercial Shipping and Fishing: Employing Quantitative Tools to Advance Marine Spatial Planning and Decrease Barriers, National Wind Technology Center, NREL, Boulder, CO March 2016
- Firestone, J., Knapp, L., Gardner, M., and Parsons, G., (oral presentation by L. Knapp), Social Values, Beliefs, Perceptions and Knowledge Relative to Offshore Wind Energy, NOAA Social Coast Forum, Charleston, SC, February 2016
- Firestone, J., Knapp, L., and Gardner, M., (oral presentation) Critical Social Factors for Developing the Maryland Offshore Wind Energy Area, American Wind Energy Association (AWEA) Offshore Wind Conference, Baltimore, Maryland, September 2015
- Knapp, L., Firestone J., and Parsons, G. (poster presentation), Monthly Price Premiums Ratepayers Are Willing to Pay to Develop the Maryland Wind Energy Area (AWEA) Offshore Wind Conference, Baltimore, Maryland, September 2015
- Swift, K., Vulinec, K., and Firestone, J., (poster presentation by Firestone), Bat Mortality at Solitary Coastal Turbine in Delaware, USA, Conference on Wind Energy and Wildlife Impacts 2015, Berlin, Germany, March 2015
- Firestone, J. (oral presentation) RGGI (Retrospective: Generation Games Illuminated): Seven Year Itch or Lucky Seven?, National Council for Science and the Environment, 15th National Conference and Global Forum on Science, Policy and the Environment: Energy and Climate Change, Washington, DC, January 2015
- Firestone, J. (oral presentation) Wind Energy, Technology and Society, Focus on the Delaware Coast, Lewes, DE, December 2014
- Knapp, L., Firestone, J., Gardner, M., and Parsons, G. (poster presentation) Offshore Wind Power: Perceptions, Preferences and Willingness to Pay, Behavior, Energy and Climate Change Conference, Washington, DC, December 2014
- Firestone, J. and Bates, A. (oral presentation by A. Bates) Public Acceptance of Transmitting Offshore Wind Power to Shore, AWEA Offshore Wind Power Conference, Atlantic City, NJ, October 2014
- Bates, A., and Firestone, J. (poster presentation) Local Community Acceptance of in-View Offshore Wind Power Demonstration Projects, AWEA Offshore Wind Power Conference, Atlantic City, NJ, October 2014
- Knapp, L., Firestone, J., Gardner, M., and Parsons, G. (poster presentation) Public Appetite for Price Premiums for Offshore Wind Power. AWEA Offshore Wind Power Conference, Atlantic City, NJ, October 2014
- Firestone, J., (oral presentation) Wind Energy, Technology and Society, IUCN Academy of Environmental Law Colloquium, Tarragona, Spain, July 2014
- Firestone, J. (oral presentation) Wind Power on the Horizon, Tri-State Sustainability Symposium, Temple University, Philadelphia, PA, March 2014

- Bates, A. Firestone, J. Madsen, J. (oral presentation by J. Firestone), Accounting for Commercial Fishing Interests in Offshore Wind Planning, EWEA Offshore Wind Power Conference, Frankfurt, Germany, November 2013
- Samoteskul, K., Firestone, J., Callahan J., and J. Corbett (poster presentation), Changing Vessel Routes to Open Areas for Wind Development Could Generate Significant Societal Benefits, AWEA Offshore Wind Power Conference, Providence, RI, October 2013 (awarded best student poster)
- Bates, A., Madsen, J., Firestone, J. Accounting for Commercial Fishing Interests in Offshore Wind Planning, AWEA Offshore Wind Power Conference, Providence, RI, October 2013 (honorable mention, business/permitting)
- Firestone, J. Social Dimensions of Wind Energy, North American Wind Energy Academy Symposium, Boulder, CO, August 2013
- Samoteskul, K., Firestone, J., Callahan J., and J. Corbett (poster presentation), Costs and Benefits of Rerouting Vessel Traffic to Open Shallow Waters for Offshore Wind Development, WINDPOWER 2013, Chicago, IL, May 2013
- Firestone, J., Samoteskul, K., and Bates, A. (oral presentation), Offshore Wind Power Development & Mid-Atlantic Planning, Regional Ocean Governance Symposium: Legal & Policy Solutions for Mid-Atlantic Ocean Planning, Seton Hall University School of Law, April 2013
- Samoteskul, K., J. Firestone, J. Callahan, J. Corbett (poster presentation), Costs and Benefits of Rerouting Vessel Traffic to Open Shallow Waters for Offshore Wind Development, AWEA Offshore Wind Power Conference, Virginia Beach, VA, Oct 2012
- Firestone, J., Willett Kempton, Meredith Blaydes Lilley and Kateryna Samoteskul, Public Acceptance: Does Perceived Fairness of Process Matter (oral presentation), EWEA Offshore Wind Power, Amsterdam, NL (Nov 2011)
- Firestone J. (invited panelist) Discussion of the documentary “Cape Spin,” AWEA Offshore Wind Power Conference, Baltimore, MD, Oct 2011
- Firestone, J., Public Acceptance: Does Perceived Fairness Matter?, AWEA Offshore Wind Power, Baltimore, MD, Oct 2011
- Firestone, J., Multi-Use Issues/Space-Use Conflicts Panel Member (*Invited*), Atlantic Wind Energy Workshop, BOEMRE, Herndon, VA, July 2011
- Firestone, J., , Public Perception, Legal Studies, Visual Impacts, Tourism Panel Member (*Invited*), Atlantic Wind Energy Workshop, BOEMRE , Herndon, VA, July 2011
- Firestone, J, Bluewater Wind Case Study (Invited), Virginia Offshore Wind Conference, Virginia Beach, VA, June 2011
- Firestone, J., Wind Perceptions and Preferences, WINDPOWER 2011, American Wind Energy Association, Anaheim, CA, May 2011
- Firestone, J., A Wind Turbine at the UD Lewes Campus: A Clean Energy, Research and Education Partnership, Community and Small Wind Energy Conference - Mid Atlantic Region, WINDUSTRY, Penn State University, Feb 2011
- Firestone, J., Lilley M.B. and W. Kempton, Mapping Offshore Wind Perceptions and Preferences Through Time (oral presentation), North American Offshore Wind Conference and Exhibition, American Wind Energy Association, Atlantic City, NJ, Oct. 2010
- Lilley, M.B., J. Firestone, and W. Kempton, Mapping Public Perceptions and Preferences Toward Wind Power Development Through Time, (poster presentation), American Wind Energy Association (AWEA), WINDPOWER 2010, Dallas, TX, May 2010
- Firestone, J, (Moderator of two panels), “Offshore Renewable Energy: Technological Advances, Prospects for Development, and Commercial Potential” & “Policy and Regulatory Issues of Offshore Renewable Energy,” Global Oceans Conference 2010, Paris, France, May 2010
- Firestone J. (invited presentation), Social Impacts of Offshore Wind Energy, Global Oceans Conference 2010, Paris, France, May 2010

- Firestone J., (Panel Moderator and Breakout Group Leader), Certified Verification Process, Offshore Wind Energy Workshop, Transportation Research Board of the National Academies, Washington, DC, March 2010
- Firestone, J. (Conference Chair), Offshore Wind Conference, Philadelphia, PA, February 2010
- Firestone, J. (discussant, invited), American Public Policy and Management (APPAM) Annual Fall Conference, Washington, D.C. November 2009
- Firestone, J., Offshore Wind Power: Environmental Impacts, Trade-Offs and Progress (invited presentation), NYSERDA Annual Conference, October 2009
- Firestone, J., Panel Participant, Delaware – The Leader in U.S. Offshore Wind Research and Implementation, Side-Event, European Offshore Wind 2009 Conference, Stockholm Sweden, Sept. 2009.
- Firestone, J., M.B. Lilley, W. Kempton, The Effect of Wind Power Installations on Coastal Tourism (poster presentation), European Offshore Wind 2009 Conference, Stockholm Sweden, Sept. 2009
- Firestone, J., Wind Power in the Ocean: Ready, Affordable, Large (invited oral presentation), Energy and Sustainability Conference, University of Delaware Energy Institute and Solar IGERT, August 2009
- Firestone, J., A. Krueger, G. Parsons, Preference Tradeoffs with Offshore Wind Power (oral presentation), Academy of Marketing Science, Baltimore, MD, May 2009
- Lilley, M.B., J. Firestone, W. Kempton, The Effect of Wind Power Installations on Coastal Tourism (poster presentation), American Wind Energy Association (AWEA), WINDPOWER 2009, Chicago, Ill, May 2009
- Firestone, J., Public Opinion in the US (invited oral presentation), Great Lakes Renewable Energy Association Wind Energy Conference, Detroit, MI, March 2009
- Firestone, J. Delaware and Cape Cod Public Opinion Case Studies (invited oral presentation), 7th Marine Law Symposium, Roger Williams University School of Law, October 2008
- Firestone J., Can Whales and Ships Co-Exist in the Atlantic?, Boston College Environmental Affairs Law Review and Massachusetts Institute of Technology Sea Grant Program, Great Whales Symposium, October 2008
- Firestone, J., Public Opinion in the US: A barrier or the leading edge of a transformative industry? (invited oral presentation), American Wind Energy Association Offshore Wind Power Workshop, Wilmington, Delaware, September 2008
- Firestone, J., Offshore Wind Power: How will the public shape its future? (invited oral presentation), Northeast Renewable Energy Conference, Penn State University, August 2008
- Firestone, J. Key Federal and State Sitings Issues (invited oral presentation), Northeast Renewable Energy Conference, Penn State University, August 2008
- Blaydes, M., J. Firestone, and W. Kempton, The Effects of Wind Power on Beach Tourism, WINDPOWER 2008, Houston, TX, June 2008
- Wang, H., J. Firestone and J.J. Corbett, Offshore Wind Power Assessment Using Ship-Based Measurements, WINDPOWER 2008, Houston, TX, June 2008
- Dhanju, A. and J. Firestone, Facilitating wind power development in state waters, WINDPOWER 2008, Houston, TX, June 2008
- Firestone, J., Krueger, A., Kempton, W., and G. Parsons, Valuing Public Preferences in Delaware (oral presentation), USA, European Offshore Wind Conference and Exhibition, Berlin, December 2007
- Corbett, J.J., J. Callahan, T. Callahan, and J. Firestone, Comparative Quantitative Estimates of Decreased Encounter Probabilities in the Right Whale Habitat through Shifting Vessel Traffic (oral presentation by J.J. Corbett), Right Whale Consortium Annual Meeting, New Bedford, MA, November 2007
- Firestone, J., Marine Renewable Energy Workgroup, (workgroup member) Roger Williams University School of Law, Rhode Island October 2007
- Dhanju, A. and J. Firestone, Access System Framework for Offshore Wind Power Development in State Waters (oral presentation by Dhanju), Coastal Zone '07, Portland, Oregon, July 2007

- Krueger, A., J. Firestone, W. Kempton, Public Opinion Surveying and Choice Modeling to Improve Design and Implementation of Offshore Renewable Energy Management (oral presentation by A. Krueger), Coastal Zone '07, Portland, Oregon, July 2007
- Krueger, A., W. Kempton, J. Firestone, Enhancing the Prospects for Offshore Wind Power (poster presentation), WINDPOWER 2007, Los Angeles, CA, June 2007
- Piero, A., M. Blaydes, J. Firestone, W. Kempton, How Wind Bid Against a "Done Deal" for a Coal Power Plant (poster presentation), WINDPOWER 2007, Los Angeles, CA, June 2007
- Firestone J., Alternative Energy and Wind Power: The Shape of things to come in Delaware? (keynote address), Academy of Life Long Learning, 20th Annual ALLSTEL Conference, Rehoboth Beach, DE, May 2007
- Tavares, J., J.J. Corbett, J. Firestone, and J.J. Winebrake, Modeling biological uncertainty in the management of ballast water species introductions (oral presentation by J. Tavares), 5th International Conference on Marine Bioinvasions, MIT, Cambridge, MA, May 2007
- Firestone, J., W. Kempton, and A. Krueger, Wind Power: How will public opinion shape its future? (oral presentation by J. Firestone), From Local to Global: The Rhode Island Model for Harnessing Wind Power Worldwide, University of Rhode Island and Roger Williams University, April 2007
- Firestone, J., Wind Power: Extent to Which Barriers May Shape its future (invited oral presentation), Getting real about renewables: economic and environmental barriers to biofuels and wind energy, University of Houston Law Center, February 2007
- Firestone J., W. Kempton, A. Krueger, Offshore Wind Power for DE: The Shape of Things to Come? (oral presentation by J. Firestone), Delaware Offshore Wind Power Workshop, Dover, DE, February 2007
- Firestone J. and W. Kempton, (oral presentation by J. Firestone & W. Kempton), Delaware Sea Grant Advisory Council Meeting, Dover, DE, January 2007
- Firestone, J. and W. Kempton, Science, Social Science, and Policy Regarding Developing Offshore Wind Power In The Delaware Estuary Region (oral presentation by J. Firestone), 2007 Delaware Estuary Science Conference, Cape May, New Jersey, January 2007
- Krueger, A., Firestone, J., and W. Kempton, Prospects for Offshore Wind Power off the U.S. Atlantic Coast, Danish Offshore (poster presentation by J. Firestone), Final Results - The Danish Monitoring Programme, Helsingør, Denmark, November 2006
- Lyons, S.B., Vanderlaan, A.S.M., Wang, C., Corbett, J.J., Firestone, J., Taggart, C.T., Using Vessel-Whale Strike and Encounter Probabilities to Advance Traffic Management (Oral Presentation by A. Vanderlaan), Annual Meeting of the North Atlantic Right Whale Consortium, New Bedford, MA, November 2006
- Firestone, J., Lyons, S.B., Wang, C., Corbett, J.J., Statistical Modeling of North Atlantic Right Whale Migration (Oral Presentation by J. Firestone), Annual Meeting of the North Atlantic Right Whale Consortium, New Bedford, MA, November 2006
- Wang, C., Lyons, S.B., Corbett, J.J., Firestone, J., Using Ship Speed and Mass to Describe Potential Collision Severity with Whales (Oral Presentation by S. Lyons), Annual Meeting of the North Atlantic Right Whale Consortium, New Bedford, MA, November 2006
- Firestone J. and W. Kempton, Public Opinion about Large Offshore Wind Power: Underlying Factors, (*Oral Presentation J. Firestone*), WINDPOWER 2006, Pittsburgh, June 4-7, 2006
- Firestone, J. Offshore Wind Energy Panel (*Invited Panel Organizer, Moderator, and Presenter*), The Coastal Society, TCS 20, St. Pete Beach, Florida, May 14-17, 2006
- Tavares, J.F., J.J. Corbett, J. Firestone, J.J. Winebrake, Decision Support Model for the Management of Ballast Water in the Delaware Bay and Other Port Ecosystems (*Oral Presentation by J.F. Tavares*), 14th International Conference on Aquatic Invasive Species, Key Biscayne, Florida, May 14-19, 2006
- Corbett, J.J., J. Firestone, C.T. Taggart, C. Wang, A.S.M. Vanderlaan, and S.B. Lyons, Application of Ship Speed and Mass Characteristics to Describe Potential Severity of Risk-Based Ship Collisions with Whales (*Oral Presentation by S.B. Lyons*), 20th Conference of the European Cetacean Society, Gdynia, Poland, April 2-7, 2006

- Firestone, J., J.J. Corbett, C.T. Taggart, C. Wang, S.B. Lyons, and A.S.M. Vanderlaan, Ship Collisions with North Atlantic Right Whales: Modelling Encounter Probabilities for Conservation Management (*Oral Presentation by J. Firestone*), 20th Conference of the European Cetacean Society, Gdynia, Poland, April 2-7, 2006
- Lyons, S.B., Vanderlaan, A.S.M., Wang, C., Corbett, J.J., Firestone, J., and Taggart, C.T., Spatial and Temporal Modeling of North Atlantic Right Whale - Ship Encounter Probabilities to Advance Vessel Traffic Management (*Oral Presentation by S.B. Lyons*), 16th Biennial Conference on the Biology of Marine Mammals, San Diego, CA, December 2005
- Wang, C. S.B. Lyons, J.J. Corbett, J. Firestone, Characterizing commercial ship traffic through a GIS model and its potential implications for mitigating ship strikes of large whales (*Poster Presentation*), Pre-conference workshop on the Application of GIS and Spatial-Temporal Modeling for Marine Mammal Science and Management, 16th Biennial Conference on the Biology of Marine Mammals, San Diego, CA, December 2005
- Wang, C., Lyons, S., Vanderlaan, A.S.M., Firestone, J., Corbett, J.J., and Taggart, C.T., Modeling commercial ship traffic and its potential use for predicting interactions between ships and whales (*Oral Co-presenter with C. Wang*), Annual Meeting of the North Atlantic Right Whale Consortium, New Bedford, MA, November 2005
- Firestone, J. and W. Kempton, Factors Underlying Support or Opposition to Offshore Wind (*Poster Presentation*), Copenhagen Offshore Wind 2005, Copenhagen, Denmark, October 2005
- Firestone, J., National Implementation of Biodiversity Conservation-Experience, mistakes and challenges, North American Panel (*Oral Presentation*), Third IUCN Academy of Environmental Law Colloquium (Biodiversity Conservation, Law and Livelihoods: Bridging the North-South Divide), Macquarie University, Sydney, Australia 10-15 July 2005
- Firestone, J. and J.J. Corbett, Evaluating Risk of Species Introduction to Facilitate Implementation of the New Global Ballast Water Convention and Conserve Marine Biodiversity (*Oral Presentation by J. Firestone*), 8th International Wildlife Law Conference, New Orleans, LA, November 2004
- Firestone, J., United States Membership in UNCLOS: What Consequences for the Marine Environment (*Panel Participant*) International Law Weekend, American Branch of the International Law Association, October 14-16, 2004
- Firestone, J. and J.J. Corbett, Transporting to The Port Environment: International Legal and Policy Responses to Reduce Ballast Water Species Introductions (*Oral Presentation by J. Firestone*), Second IUCN Academy of Environmental Law Colloquium, University of Nairobi, Nairobi, Kenya, 4-7 October 2004
- Firestone, J., N.D. Cass, J.J. Corbett, and J.J. Winebrake, Risk-based Decision-Making and Optimization in Ballast Water Policy Development, (*Oral Presentation by N. Cass*), 13th International Conference on Aquatic Invasive Species, Ennis, Ireland, September 2004
- Firestone, J., The Future of Ocean Governance Panel Discussion (*Invited Panel Participant*), 32nd National Spring Conference on the Environment, American Bar Association Conference, Protecting Oceans: Legal and Policy Responses to the Decline of Marine Ecosystems Baltimore, Maryland, June 11, 2004
- Kempton, W., J. Firestone, A. Krueger, J. Lilley, and P. Whitaker, Explaining Public Opposition to, or Support for, Offshore Wind Power (*Poster Presentation*), Global WINDPOWER 2004 Conference and Exhibition, Chicago, Illinois, March 2004
- Firestone, J., Offshore Marine Aquaculture in U.S. Federal Waters (*Invited Oral Presentation*), Aquaculture Law and Policy Panel, Aquaculture 2004, Hawaii, March 2004
- Firestone, J. and J. Lilley, An Endangered Species: Makah Aboriginal Whaling and the Right to Self-Determination and Cultural Heritage (*Invited Oral Presentation by J. Firestone*), International Law Association, New York City, October 2003

- Blaydes, M. and J. Firestone, Statistical Analysis of the Frequency and Severity of Accidents in Inlets of the United States from New York to Florida, NOAA Coastal Zone 03, Baltimore, Maryland, Extended Abstract (*Poster Presentation*), July 2003
- Cass, N.D., J.J. Corbett and J. Firestone, Technology Policy Implications for Ballast Water Introductions of Non-indigenous Species (*Oral Presentation by N.D. Cass*), 12th International Conference on Aquatic Invasive Species, Windsor, Ontario, Canada, June 2003
- Firestone, J. and R. Barber, Fish as Pollutants: Limitations of and Crosscurrents in Law, Science, Management, and Policy (*Oral Presentation by J. Firestone*), Third International Conference on Marine Bioinvasions, Scripps Institution of Oceanography, La Jolla, California, March 2003
- J. Corbett, Cass, N., and J. Firestone, Conceptual Model of Ballast Water Risk-Reduction (*Oral Presentation by J. Corbett*), Third International Conference on Marine Bioinvasions, Scripps Institution of Oceanography, La Jolla, California, March 2003
- Firestone, J., Environmental Enforcement Against Organizations: Trading-off Equity for Environmental Benefits (*Oral Presentation*), 21st Annual Conference, Association for Public Policy Analysis and Management, Washington, D.C., 1999

RESEARCH CONTRACTS, GRANTS, and FELLOWSHIPS

- Consultant to Lawrence Berkeley National Lab, October 2014-2019, US DOE project on local public acceptance of wind power projects (cultural landscapes and acoustics).
- Principal Investigator, Gauging Public Perceptions Before and After Installation of the US' first Offshore Wind Power Turbines, First State Marine Wind, LLC (2016-2019)
- Principal Investigator, Tall Towers, Long Blades and Manifest Destiny: The Migration of Land-based Wind from the Great Plains to the First State, UDEI (with J. Madsen and D. Veron), (2015-2017)
- Co-Principal Investigator, Energy Upcycling: Transforming Oil Rigs to Geothermal Power Systems (with J. Madsen and W. Bessmer), UDEI Innovative Energy Research Grants Program (2014-2015)
- Principal Investigator, Social Dimensions of Offshore Wind Development in the "Maryland" Wind Energy Area, NOAA/DEL Sea Grant (2014-2016)
- Principal Investigator, Atlantic Offshore Wind Energy Development: Values and Implications for Recreation and Tourism, DOI BOEM Cooperative Agreement (2012-2014)
- Principal Investigator, Public Perceptions of Coastal and Near-Shore Wind Power Turbines and Transmission (with W. Kempton), NOAA/DEL Sea Grant (2012-2014)
- Co-Principal Investigator, A System Design Study for Wilmington Canyon Offshore Wind Farm, (with W. Kempton and others), US DOE (2011-2013)
- Co-Principal Investigator, Mid-Atlantic Offshore Wind Interconnection and Transmission, (with W. Kempton and others), US DOE (2011-2012)
- Co-Principal Investigator, Wind Turbine Infrastructure for Green Energy and Research on Wind Power in DE (with N. Targett), US DOE (2010-2013)
- Principal Investigator, Offshore Wind Power for Delaware in a Marine Spatial Planning Context (with W. Kempton), NOAA/DEL Sea Grant (2011-2012)
- Co-Principal Investigator, Atlantic Offshore Wind Energy – Atlantic Consortium (with W. Kempton) 2010, US DOE (2010-2012)
- Principal Investigator, Em-Powering Coastal States and Utilities through Model Offshore Wind Legislation and Outreach (with W. Kempton), Dept. of Energy (Dec. 2009- March. 2011)
- Principal Investigator, Mapping Maryland's Offshore Wind Resource (with W. Kempton), Abell Foundation (July 2009-2010)
- Principal Investigator, Mapping Public Perceptions and Preferences Toward Wind Power Development through Time (with W. Kempton), NOAA/DEL Sea Grant (2009-2011)
- Co-Principal Investigator, Assessment of Delaware Offshore Wind Power Potential: Resource, Impacts and Policy (with W. Kempton and R. Garvine), NOAA/DEL Sea Grant (2007-2009)

Principal Investigator, Clarifying the Prospects for Offshore Wind Power (with W. Kempton), DNREC Green Energy Fund (2006-2008)

Co-Principal Investigator, Decision Support Model to Reduce the Risk of Introduction of Aquatic Organisms by Maritime Commerce (with J. Corbett), NOAA/DEL Sea Grant, (2005-2007)

Principal Investigator, Evaluating Commercial Vessel Traffic Characteristics and Whale Strike Probabilities along the North Atlantic Coastline (with J. Corbett), NOAA/NMFS, (2004-2007)

Collaborator, Estimation, Validation, and Forecasts of Regional Commercial Marine Vessel Inventories, California Air Resources Board (2005-2006)

Principal Investigator, Offshore Wind Power: Navigating among Environmental, Social and Political Considerations, University of Delaware, General University Research Program, (2004-2005)

Collaborator, Development and Testing of an Operational Framework for Offshore Aquaculture in Conjunction with Stakeholders at National and Regional Levels, National Oceanic and Atmospheric Administration, Sea Grant Program (2001-2004)

Graduate Fellow, U.S. Environmental Protection Agency, Science to Achieve Results (STAR) Fellowship, 1999-2000

Co-Principal Investigator, National Science Foundation, Doctoral Dissertation Research Improvement Grant, July 1999

Graduate Fellow, University of North Carolina at Chapel Hill, Public Policy Analysis, 1997-99

Charles and Shirley Weiss Urban Livability Fellow, University of North Carolina at Chapel Hill, 1996-97

Graduate School Fellow, University of North Carolina at Chapel Hill, 1996-97

ACADEMIC AND PROFESSIONAL AWARDS

Excellence in Undergraduate Academic Advising and Mentoring Award (nominated), 2013

Excellence in Teaching Award (nominated), 2009

Certificate of Appreciation, U.S. Fish and Wildlife Service, 1995

Environmental Protector Award, U.S. Environmental Protection Agency, 1989

Certificate of Achievement, U.S. Environmental Protection Agency, 1988

Certificate of Achievement, U.S. Environmental Protection Agency, 1987

BOARDS, COMMISSIONS, and WORKGROUPS

Delaware Governor's Offshore Wind Working Group, Working Group Member, 2017-2018

City of Newark Community Sustainability Plan, Steering Committee Member, 2017-

UD Bike Safety Committee, 2017-2018

Advisory Panel, Mid-Atlantic Fishery Management Council, Ecosystems and Ocean Planning, 2018-

Advisory Panel, Mid-Atlantic Fishery Management Council, Protected Resources Committee, Member 2006-2009

National Academy of Sciences Marine Board, Offshore Wind Energy Workshop, Workgroup Member, Panel Moderator and Breakout Session Leader, 2010

Aquaculture Listening Sessions, US House of Representative Lois Capps (CA), 2009

Harmonization of International Agreements/Governance Improvements Workgroup, Workgroup Member, Global Conference on Oceans and Coasts at UNESCO, December 2001

North Carolina Department of Environment and Natural Resources Enforcement Policy Consultation, 1999

Michigan Natural Resource Management & Environmental Code Commission, Co-counsel, 1993

U.S. Environmental Protection Agency, National Workgroup on the State Role in Joint Consent Decrees, Member, 1992

U.S. Environmental Protection Agency, National Workgroup of Legal Liaisons to Tribal Governments, Member, 1988-89

SERVICE

External-Peer Activities

Workshop/Conference Organizer: Planning Committee, National Academies of Sciences, Marine Board, Offshore Wind Power Technology Workshop, 2010; Conference Chair, Offshore Wind Conference, Philadelphia, 2010; Planning Committee, First US Offshore Wind Power Workshop sponsored by the American Wind Energy Association, Wilmington, DE 2007
Lead Judge, Poster Competition, American Wind Energy Association, Offshore Wind Conference and Exhibition, Providence, RI 2013 (conceived, organized, judged)
Co-editor, Biodiversity, Law and Livelihoods: Bridging the North-South Divide, Vol. 3, IUCN Academy of Environmental Law Research Studies, Cambridge University Press
Member, Editorial Board, Environmental Research and Social Science, Jan 2017-
Journal Manuscript Review:

Scientific General: *Annals of the New York Academy of Science; Proceedings of the National Academy of Sciences (PNAS)*

Energy and Climate: *Applied Energy; Energy, Ecology and Environment; Energy Policy; Energy Research and Social Science; Journal of Cleaner Production; Nature Energy; Renewable and Sustainable Energy Reviews; Renewable Energy; Wind Energy; WIREs Climate Change*

Environmental Planning and Management: *Environment & Behavior; Environmental Management; Environmental Science and Policy; Journal of Environmental Planning and Management; Land Use Policy; Landscape and Urban Planning; Landscape Research; Society and Natural Resources*

Oceans and Coasts: *Estuaries and Coasts; The Ocean Yearbook; Journal of Great Lakes Research; Ocean & Coastal Management; Polar Record*

Environmental Economics: *Ecological Economics; Eastern Economic Journal; Marine Resource Economics; Agriculture and Resource Economics Review; Economic Anthropology*

Engineering, Technology and Risk: *Critical Review in Environmental Science and Technology; Journal of Environmental Engineering, Risk Analysis*

Law and Politics: *Chinese Journal of Environmental Law; Environmental Politics; IUCN Academy of Environmental Law eJournal*

Biology: *Biological Invasions; Biological Conservation; Endangered Species Research*

Health: *BMC Public Health; Social Science & Medicine*

Book Proposal Review, Elsevier, Wiley-Blackwell), Cambridge University Press
Book Reviews, *Journal of International Wildlife Law and Policy; Environment, Choice*, 2003-
Government Policy Review: US Congressional Research Service; NRC Transportation Research Board; NRC Marine Board, NREL
Other Report Review: Oceana
Proposal Review: National Science Foundation, International Science and Technology Center/US Civilian Research & Development Foundation, Social Science and Humanities

Research Council of Canada (Canada), KU Leuven University (Belgium) Hawaii Sea Grant External Science Review Panel, NOAA Sea Grant Small Business Innovation Program, Rhode Island Sea Grant Program, Michigan Sea Grant Program, South Carolina Sea Grant, New England Sea Grant Consortium, Netherlands Organisation for Scientific Research (NWO), the national research council in the Netherlands; Belmont Forum/International Group of Funding Agencies for Global Change
Scholarship Review: Mid-Career Review of tenure-track faculty member, 2010; Hollings Scholars, 2007
Abstract Review: AWEA Offshore Wind Power Conference, 2014, 2011, 2008 (led review)

External-Organization

Widener Environmental Law Center, Advisory Council (Charter Member), 2010-2015
Offshore Wind Committee (formerly Working Group), AWEA 2006-
Conference Chair, Philadelphia Offshore Wind Power Conference,
Co-Lead UD individual responsible for AWEA offshore wind power workshop organized with the support of the University of Delaware, 2008
IUCN CEL, Ocean Law and Governance Specialist Group, 2004-
IUCN Commission on Environmental Law (CEL), 2003-
IUCN Academy of Environmental Law, 2004-2009

External-Community

Newark Community Sustainability Plan, Steering Committee Member
Newark, Green Building Code Work Group, Member
Member, Planning Commission, City of Newark, Delaware, 2015-2018 (chair, 2016-18)
Citizen-Intervener in 2014-2015 Docket before Delaware Public Service Commission (PSC) on the Acquisition of Pepco Holdings, Inc. (the parent company to the primary Delaware electric utility) by Exelon
Participant, in RPS CAP regulations by Department of Natural Resources and Environmental Control (DNREC)
Lead Citizen, Delmarva RFP Process before the DE PSC and three other state agencies, 2006-08
1000-word lead Op-eds in Sunday News Journal on New Power Generation Decision, May 2007 and November 2008
Citizen-Intervener in Integrated Resource Plan (IRP) rulemaking docket before the DE PSC leading to requirement for utility to quantify externalities on a life-cycle basis)
Citizen-Intervener in 2006 IRP docket before the DE PSC, 2006-2008
Citizen-Intervener in 2007 Land-based Wind PPA docket before the DE PSC

Internal-University level

UD, Lewes Campus Wind Turbine Project (conceptualization, feasibility study oversight, negotiation of legal documents, and environmental review as lead faculty member) leading to research partnership and joint ownership with Gamesa Technology Corporation (\$3M contribution; \$2M+ from federal government) of 2MW wind turbine, Director, First State Marine Wind, LLC (FSMW), 2016 (entity that owns/operates wind turbine); President, Blue Hen Wind, Inc., majority shareholder of FSMW (2010-2016), manage Renewable Energy Credits (RECs) with proceedings going to student fellowship, member of UD-Gamesa Research Committee, 2009-
UD, Bike Safety Committee, 2017-2018
UD Faculty Senate, Senator, 2003-2005, 2016-2018

UD Legal Studies Program, Executive Committee Member of the Legal Studies Program, 2003-;
Director Search 2013 and 2016
UD, Data Center and Power Plant Internal Review Working Group, 2013-2014,
<http://www.udel.edu/udaily/2015/jul/decision071014.html> and
<http://www.udel.edu/star/downloads/WGR.pdf>).
UD, Department of Entomology and Wildlife Conservation Academic Program Review, Member
UD, Middle East Partnership Initiative (host international students for dinner), 2009
UD, Middle States Review, Professional Education Workgroup, 2009-2010
UD Senate Rules Committee, 2008-2012
UD AAUP, College of Marine Studies, Representative, 2005-2007
UD Legal Studies Program, Judge, Student Paper Competition, Student Conference on Legal
Studies, 2003 and 2004

Internal-College/Department/Program level

UD SMSP, Promotion and Tenure Committee, Member, 2018-
UD SMSP, Academic Review Committee, Chair, 2018-
UD CEOE, Strategic Planning Committee, Member, 2018-
UD CEOE, College Promotion and Tenure Committee, 2015-2017
UD SMSP, Promotion and Tenure Committee, Substitute Member, 2017
UD SMSP, Admin Assistant III Hiring Committee, 2017
UD SMSP, Natural Resource Economist Faculty Search, 2016-2017
UD SMSP, Promotion and Tenure Committee, Chair, 2014
UD SMSP, Promotion and Tenure Committee, Member, 2013-2014
UD SMSP, Seminar Series Committee, 2013-2014
UD SMSP, School Director Search Committee, 2010-2011
UD CEOE, CRADA with NREL establishing an R&D and exchange relationship related to
offshore wind power and the development of a wind turbine test site, 2009-
UD CEOE, Promotion and Tenure Committee, 2009-10.
UD CEOE, Coast Day 2005- (various)
UD CMES, Student Awards Committee, 2007
UD CMES, Web Committee III, 2006
UD CMS, Web Committee II, 2003
UD CMS, Web Committee I, 2002
UD CMS, Graduate Student Recruitment Review Committee, 2002
UD CMS, Joint MPP-Widener Law Degree Liaison, 2001-2002
UNC-CH, Public Policy Analysis Faculty Search Committee, 1999-2000
UNC-CH Public Policy Analysis, Ph.D. Student Admissions Committee, 1997-98

STUDENTS ADVISED/EVALUATED

Advisor

Ph.D. Students, graduated: 8. Lauren Knapp, *Measuring the Public on Environmental Changes: Essays on Offshore Wind Power Spatial Heterogeneity, Economic Valuation, and Survey Methodology*, 2018; 7 (Knauss Fellow). Alison Bates, *Key Challenges of Offshore Wind Power: Three Essays Addressing Public Acceptance, Stakeholder Conflict, and Wildlife Impacts*, 2016; 6. Lance Noel, *The Economic, Legal, and Policy Implications of Renewable Energy and Climate Change Mitigation*, 2015; 5. Isabel Torres de Noronha (co-advisor), *What Role for Regions in European Integrated Ocean Policy?*, 2012; 4. Shih-Ming Kao, *Assessing regional cooperation among all parties as an alternative to sovereignty disputes in*

the south china sea, 2011; 3. Jonathan Lilley, Ph.D. *Navigating a Sea of Values: Understanding Public Attitudes Toward the Ocean and Ocean Energy Resources*, 2010 (Knauss Fellow); 2. Meredith Blaydes Lilley, Ph.D. *Wind Power: Overcoming Wildlife Impacts, Assessing Effects on Tourism, and Examining the Link Between Climate Change Perceptions and Support*, 2010; 1. Andrew Krueger, Ph.D., *Analyzing public preferences for offshore wind power in Delaware: an application of choice-based experiments*, 2008

2. **Master's Students, graduated:** 11. Alexis Cunningham, *Adaptive Management Strategies on the Chesapeake Bay Regarding TMDLs*, 2018 (Coastal Management Fellow); 10. Christine Hirt, *Perceptions of fairness of process: The Block Island Offshore Wind Project*, 2018 (Knauss Fellow); 9. Michelle Burt, *Adherence and Effectiveness of Three Marine Sanctuaries*, 2016; 8. Erica Wales, *Marine Genetic Resources in Areas Beyond National Jurisdiction: Issues in Patenting, Conservation, and Capacity*, 2015 (Knauss Fellow) 7. Regina McCormack, *Mitigation of electricity production externalities imposed on water resources and fishing industries in the Delaware River estuary and implications for offshore wind energy policy*, 2014 (Knauss Fellow); 6. Dawn Kurtz Crompton, *Cooperative Renewable Energy Policies to Avoid Trade Related Disputes and Litigation*, 2014; 5. Kateryna Samoteskul, *Analyzing Costs and Benefits of Rerouting Vessel Traffic to Open Areas for Offshore Wind Development in the Mid-Atlantic United States*, 2013 (Frances Severance Award) (Knauss Fellow); 4. Kristin Hicks *Public Trust Doctrine and Beach Access*, 2012; 3. Lindsey Williams, *The U.S. North Atlantic commercial fishing industry and cold water coral conservation: History, Current Trends, and Next Steps*, 2009 (Knauss Fellow); 2. Joana Flor Tavares, *Assessing the Importance of Biological Uncertainties to the Control of Species Introductions via Ballast Water*, 2008; 1. Meredith Blaydes, *Analyzing the Frequency and Severity of Recreational Boating Accidents in Atlantic-Coast Inlets from New York to Florida*, MMP, 2005 (Knauss Fellow)

3. **Undergraduate Students, graduated:** Jesse Fernandes, Undergraduate Research Scholar, 2008 (oversaw research)

4. **Ph.D. Students, in progress:** Aaron Russell (matriculated, fall 2017); Sam Fielding (matriculated fall 2017); Erica Wales (matriculated summer 2015; Knauss Fellow, 2016-2017; PhD Candidate, 2018: *Governance for the Conservation and Sustainable Use of Areas Beyond National Jurisdiction (ABNJ): A study of capacity, effectiveness of MPAs in ABNJ, and NGO influence*)

5. **Master's Students, in progress:**

6. **Undergraduate Students, in progress:** Hannah Kirk (matriculated, Fall 2017) (research assistant)

Committee Member

1. **Ph.D. Students, graduated:** 11. Katinka Johansen, *Moving into a Renewable Energy Futures: Public perceptions of renewable energy technologies: reflections on practice, planning and policy. Evidence from the Danish near-shore wind farm tender (DTU, Denmark)*. 10. Joe Appiott, *Avenues Towards an Effective Integrated Management Regime for Marine Areas Beyond National Jurisdiction at Global and Regional Levels*, 2018; 9.

Jenna Toussaint, *The Effect Of Offshore Wind Power on Beach use and Tourism: A Contingent Behavior Analysis on the East Coast of the United States*, 2016; 8. Lingqun Li, *China's Policy towards the South China Sea—Geopolitics and the International Maritime Regime*, 2014; 7. Kelley Appleman Myers, *The Effect of Substitutes on Willingness to Pay for Endangered Species: The Case of the Atlantic Red Knot*, 2013; 6. Eric Deans, *A Normative Assessment of U.S. East Coast Container Terminal Development Influenced by the Expansion of the Panama Canal* 2011; 5. Kateryna Wowk, *Examining Effectiveness in Regional Ocean Governance Regimes* 2011; 4. Amardeep Dhanju, *Four Essays on Offshore Wind Power Potential, Regulation, and Integration in Delaware* 2010; 3. Haifeng Wang, *The Reduction Cost of GHG from Ships and Its Impact on Transportation Cost and International Trade* 2009; 2. Christine Loper, *Valuation of No-Take Marine Reserves within California's National Marine Sanctuaries*; 1. Gerhard Kuska, *Coordination Toward a More Integrated National Ocean Policy: Assessment of Several U.S. Federal Interagency Groups*, Dec. 2005

2. **Master's Students, graduated:** 13. Jessica Giannoumis, *Underwater Noise Pollution: An Evaluation of the Voluntary Guidelines on Reduction of Underwater Noise from Commercial Shipping in the United States*, 2017 (Norwegian University of Life Sciences); 12. Kathleen Harris, *Improving the Electric Vehicle Driver Experience*, 2017; 11. Julie Steinberg, *Policy Routes for Marine Debris Management in the United States*, 2017; 10. Alia Ponte, *Utilizing Geological and Geotechnical Parameters to Constrain Optimal Siting of Mid-Atlantic Bight Offshore Wind Projects*, 2016; 9. Emily Bryant, *Sea Level Rise Planning in Delaware: An Examination of the State's Sea Level Rise Advisory Committee*, 2016; 8. Blaise Sheridan, *Social Cost of Electricity Generation: A Quantification and Comparison Between Energy Sources with PJM Interconnection*, 2013; 7. Scott Baker, *The oceanic offshore wind power potential in PJM: A regional resource assessment*, 2011; 6. Joe Appiott, *International Regulation of Deep Sea Biodiversity*; 5. Jackie Piero, *Underlying Motivations for Delaware Public Participation in Support of Offshore Wind: Implications for State Energy Policy*, 2010; 4. Christine M. Jarvis, *An Evaluation of the Wildlife Impacts of Offshore Wind Development Relative to Fossil Fuel Power Production*, December 2005; 3. Anita Marker, *Cultural Models of Policy Effectiveness Within Organizations and How they Affect the Goals of the Organization*, May 2005; 2. Kinam Jeong, *Pilotage as a Measure for Preventing Accidental Oil Pollution in Northwest Pacific Seas*, May 2004; 1. Kevin Goldstein, *Evaluating the effectiveness of eco-certification programs in North American: Clean Marina Programs*, December 2003

3. **Ph.D. Students, in progress:**

4. **Master's Students, in progress:** Meghan Rowe, *Internalizing external costs of electricity to effectively promote renewable energy generation, including offshore wind*

SIGNIFICANT/PRECEDENTIAL LITIGATION AND SETTLEMENTS (Selected)

Kelley v. FERC, 96 F.3d 482 (D.C. Cir. 1996). Briefed/argued case addressing fish valuation, fish protection and dam retirement funding.

Kelley v. Chalet du Paw Paw, Slip Op. (Kalamazoo County Circuit Court 1996). Conducted an eight-day trial in state court on unpermitted docking facilities on an inland lake.

In re Kellogg's Brownfield Redevelopment, (1995). Negotiated brownfield redevelopment agreement in Battle Creek, Michigan.

In re Baughn, 90-111-461 (1995). Conducted eight-day administrative hearing on the denial of a wetland permit.

Kelley v. U.S. EPA, 15 F.3d 1100, reh'g denied, 25 F.3d 1088 (D.C. Cir. 1994). Briefed and argued successful challenge to EPA lender liability rule.

In re Consumers Power Company, 68 FERC ¶ 61,077 (1994). Negotiated a national precedent-setting settlement regarding the operation of 11 hydroelectric dams. The settlement provides for dam retirement trust funds, dam removal, fish protection and passage, payment of up to \$23 million in fish damages, changes in dam operation, water quality improvements, soil erosion control, and recreational enhancements

Kelley v. Ford Motor Company (1993). Negotiated \$3 million natural resource damage settlement for park, wildlife and groundwater injuries.

U.S. v. Akzo Coatings, 949 F.2d 1409 (6th Cir. 1991). Briefed leading case on federal-state relationship under the federal Superfund law