



Speaker Bios

By Order of Appearance

Summit Welcome/Overview

Dick Bierly serves as the Vice President on the Board of Directors for the North Carolina Coastal Federation. A retired corporate manager, Dick brings expertise in human resources, employee recruitment and development, organization and management. He's devoted to protecting our natural resources by combining economic and conservation interests. Dick is also a strong advocate of effective land-use planning.

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State of the Coast Report

Frank Tursi is an Assistant Director of the North Carolina Coastal Federation. Frank is in charge of advocacy communications, including managing NCCF's Web site and Facebook page. Working out of NCCF's main office in Ocean, he also is responsible for regional advocacy along the central coast. Frank joined the federation in January 2002 after an almost 30-year career as a newspaper journalist – the last 23 at the *Winston-Salem Journal* where he was the environmental and special-projects reporter. He has won numerous state and national awards for his environmental reporting, including the Scripps-Howard National Environmental Award and The Sierra Club's lifetime achievement award in 2002.

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Wind

Jen Banks is the Wind Energy Project Coordinator at the North Carolina Solar Center. Jen heads up the Solar Center's efforts to educate North Carolina citizens and government officials on the potential for wind energy, both land based and offshore, as a beneficial addition to the state's energy mix. Before joining the Solar Center in January 2011, Jen worked at the American Wind Energy Association where she was the staff lead for offshore wind. Jen also has experience with wind energy education along the North Carolina coast and she prepared the regulatory portion of an offshore wind feasibility study for South Carolina. Jen holds a BS in Environmental Technology from North Carolina State University and a Master of City and Regional Planning degree from Clemson University.

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Craig Poff, Senior Business Developer with Iberdrola Renewables, is responsible for the development of utility scale wind energy projects in the Mid Atlantic and Southeastern US. Craig manages all aspects of business development, including: site selection, permitting, real estate, engineering and public relations. With more than 15 years of experience developing a wide variety of projects – from energy to residential and commercial – Craig has particular experience with land use regulation and real estate matters. He is a member of the North Carolina Sustainable Energy Association, the American Wind Energy Association, the President of America's Land Stewards, and has served as Director of the Pennsylvania Builders Association. Craig was born and raised in rural northwest Missouri and now lives with his family in West Chester PA.

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Brian O'Hara, President of the North Carolina Offshore Wind Coalition, has been active in offshore wind policy and education efforts in North Carolina since 2009. He has served as the chair of the offshore wind policy sub-committee for the state's Energy Policy Council, has been a featured presenter to the Governor's Scientific Advisory Panel on Offshore Energy, and has briefed officials at the NC Commerce Department, the Governor's office, and the state legislature. Brian holds an MBA and a master's in engineering from Stanford University, as well a BS in mechanical engineering from Georgia Tech.

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Dr. Charles "Pete" Peterson, Distinguished Professor at the Institute of Marine Sciences, University of North Carolina at Chapel Hill, has a split professional personality, pursuing traditional academic goals of research and teaching, while also serving on governmental policy-making boards in environmental and natural resource management. Dr. Peterson is currently focusing on developing a better conceptual basis for environmental restoration and defining and quantifying ecosystem services provided by various habitats. In the management arena, Dr. Peterson has worked largely at the state level, serving two terms on the NC Marine Fisheries Commission, four terms on the NC Environmental Management

(Peterson continued)

Commission, where he remains Vice Chair and Chair of its Water Quality Committee, one term on the NC Sedimentation Control Commission, as well as an open-ended appointment on the Steering Committee for the NC Coastal Habitat Protection Plans for fish.

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Paul Quinlan brings several years of experience to the North Carolina Sustainable Energy Association, where he serves as Managing Director. Paul is an active participant in the North Carolina Wind Working Group and facilitated the development of a model local wind ordinance that has been adopted by several local governments. In 2008, he served on the North Carolina Wind Energy Technical Advisory Group, which provided environmental permitting of wind energy recommendations to the North Carolina Environmental Management Commission and General Assembly. In addition, he advises landowners and developers on utility-scale and community wind markets and regulations in North Carolina and the Southeast. Paul holds both a Master of Public Policy and a Master of Environmental Management from Duke University.

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Solar

Katie Shepherd, a native of Jamestown, NC, is the Marketing and Communications Manager for NC GreenPower, an independent, nonprofit organization established to improve North Carolina's environment through voluntary contributions toward renewable energy and the mitigation of greenhouse gases. Katie serves as a liaison between NC GreenPower and the public, media and contributors. A graduate of the UNC-Chapel Hill School of Journalism and Mass Communication, Katie holds a BA in graphic design with a concentration in Spanish. Katie then spent a decade at an established downtown Raleigh advertising agency, creating collateral, print and television ads. She lives in Raleigh with her cat Isolde, and encourages everyone to skip a latte a month and donate \$4 to NC GreenPower in support of the program.

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Tommy Cleveland currently holds the position of Solar Energy Engineer in the Clean Energy Applications team at the North Carolina Solar Center. He helps to lead the Center's solar energy testing and demonstration program, conducts site audits, conducts photovoltaic interconnection research for the Solar ABCs, and provides technical support to a wide variety of energy consumers and stakeholders from across the nation. Since 2008 Tommy, has taught the solar energy undergraduate course in mechanical engineering at North Carolina State University. Tommy is a native North Carolinian, born and raised in Lumberton in southeastern North Carolina. He holds a BS in Mechanical Engineering as well as an MS in Mechanical Engineering from NCSU.

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Brownie Newman has over a decade of experience working to promote clean, renewable energy in North Carolina. Brownie currently serves as the Vice President and Director of Financed Projects for FLS Energy. Brownie began working as a project consultant for FLS Energy in 2007. In 2008 he organized FLS Energy Finance to serve as the financing arm for FLS solar projects. FLS Energy Finance provides businesses and organizations with a range of financing options to help make solar energy user-friendly and affordable. Prior to joining FLS Energy, Brownie served as the Executive Director of the WNC Alliance, in addition to being a two-term member of the Asheville City Council. Brownie has been a leader for environmental and economic sustainability in the region. Brownie grew up on a working farm in the Blue Ridge Mountains and holds a BA in Political Science from Warren Wilson College.

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Matt Lynn, Deputy Project Director for Atlantic Marine Corps Communities, is responsible for oversight and planning of over \$1 Billion of Atlantic Marine Corps Communities (AMCC) privatized military family housing development projects in collaboration with the AMCC Project Director and Department of the Navy leadership. Specific responsibilities include: oversight of AMCC's property management and maintenance operations across over 8,000 homes on seven military installations in four states; overall management of the Design/Build Contractors to ensure the development plans are carried out in accordance with the Guaranteed Scope of Work and the Design/Build Agreements; management of the design team on all designs and master planning strategies; and leadership and coordination of all sustainability, environmental and utility related issues. Matt holds an MBA from UNC Chapel-Hill Kenan-Flagler Business School, as well as a BS in Civil Engineering from Virginia Tech.

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Bioenergy

Dr. Dennis Hazel, Extension Specialist and Associate Professor in the Department of Forestry and Environmental Resources at North Carolina State University, has provided both leadership and vision towards making significant impacts on the economic, environmental, and social well-being of the citizens of North Carolina. His current areas of responsibility include: technology and policy development for woody-biomass based renewable energy, forest health and productivity, wildlife research, and Christmas tree production. He holds degrees in both wildlife biology and forestry. Prior to joining the Extension Forestry group in 2003, Dr. Hazel held several other positions at NC State University, conducting research on threatened furbearer species, the use of managed forest land for reducing off-site impacts of agricultural practices, and silviculture.

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Sam Brake has over 30 years of experience in North Carolina agriculture. He currently serves as the Director of Farming for the Biofuels Center of North Carolina. Sam came to the Biofuels Center from Red Birch Energy, a startup renewable energy company, where he served as a consultant, recruiting and coaching farmers on growing canola as an oil feedstock. Sam previously served as CEO of the North Carolina Grain Growers Cooperative, where he promoted specialty soybeans as a renewable energy. A graduate of North Carolina State University, Sam spent four years as a 4-H agent with the Cooperative Extension Service in Carteret County and has over 27 years managing crop production on the Open Grounds Farm. Sam's experience with biodiesel at the North Carolina Soybean Producers Association also makes him an invaluable resource, as he understands the agricultural significance and economic impact biofuels can have in North Carolina.

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Dr. C. Mike Williams is the Coordinator of Animal Waste Management Programs in the College of Agriculture and Life Sciences at North Carolina State University. Dr. Williams directs the NCSU Animal and Poultry Waste Management Center and serves as the Undergraduate Teaching Coordinator in the Department of Poultry Science. His research experience includes biotechnology applications for value-added processing of animal production agriculture co-products. Dr. Williams serves on numerous stakeholder committees regarding rule making, policy, social, and technical issues related to the environment and concentrated animal feeding operations. During the past two decades, Dr. Williams has given more than 300 invited papers and presentations, as well as testifying before the United States Congress regarding animal waste management issues.

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Will McDow, Manager of Southeast Center for Conservation Incentives, specializes in economic incentives and rural land management, with an emphasis on biomass energy markets, Farm Bill programs and tax policy. Will's work focuses on improving forest management, enhancing biodiversity and protecting water quality on private forest and farm lands. Will also serves on the NC Forestry Technical Advisory Committee, which is responsible for developing best management practices to protect water quality; and the NC Forestry Council to advise the State Forester in the direction and activities of the Division of Forest Resources. Previously, Will led EDF's multi-year effort to pass legislation in North Carolina that provided property tax relief to landowners for conservation. Will holds an MF and MEM from Duke University, as well as a BA in Biology from Lawrence University.

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Renewable Energy Policy

Bill Holman is the Director of State Policy at Duke University's Nicholas Institute for Environmental Policy Solutions. Bill has extensive experience in both legislative and administrative policy making at the state level, serving as Governor Jim Hunt's Secretary of the Department of Environmental & Natural Resources. Bill has also worked as the Executive Director of the North Carolina Clean Water Management Trust Fund, and spent nearly 20 years lobbying the NC General Assembly on behalf of numerous organizations. Currently, Bill is working with the NC General Assembly to develop a science-based state water allocation policy, as well as working with North Carolina's Albemarle-Pamlico National Estuary Program on a Climate Ready Estuaries project.

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Jennifer L. Bumgarner is the Assistant Secretary for Energy at North Carolina Department of Commerce, overseeing the N.C. Energy Office, the state's weatherization program and the state's Energy Policy Council. Jennifer has served as a policy adviser in the Governor's Policy Office since May 2005. In October 2009, she was named deputy policy director. Jennifer holds an MSc in Social Policy from the University of Oxford, Oxford, England, where she studied as a Rhodes Scholar. She also holds a BA in Politics with honors from Wake Forest University.

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Tim Bennett joined GreenCo Solutions in July of 2008 and is currently the Vice President of Business Operations. GreenCo Solutions, Inc. is a green services company owned by North Carolina's electric cooperative. The company was created to help members meet their energy efficiency and renewable energy goals in a comprehensive, balanced, and collaborative manner. Tim is involved in all aspects of compliance with the North Carolina Renewable Energy and Energy Efficiency Portfolio Standard. His responsibilities include compliance reporting, evaluation of energy efficiency programs, and the development and management of a portfolio of renewable resources. He has almost 20 years of experience in the rural electric cooperative program. Tim graduated from West Virginia Institute of Technology with a Bachelors Degree in Mining Engineering.

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