

WAVE ENERGY FORUM – January 19, 2008
About the Speakers

Rachel Binah, Political Activist (*Community & Fishing Issues Panel*)

Rachel Binah helped organized the community response to off-shore oil development along the Mendocino coast. In 1988, Lease Sale 91 was soundly defeated by people in Mendocino County when they held a "filibuster" which lasted for over 24 hours. Public testimony before the Minerals Management Service of the Department of the Interior at Eagles Hall in Fort Bragg – helped by national television, radio and print media coverage – convinced authorities and politicians to cancel the sale. Without the extraordinary community involvement, Lease Sale 91 would have encouraged offshore oil rigs from San Francisco to the Oregon border. A retired innkeeper, Rachel lives in Little River. She is the Chair Emeritus of the Environmental Caucus of the California Democratic Party, and served for many years on the Democratic Party Platform Committee. She has been a member of the Democratic National Committee since 1992.

James Bond, U.S. Fish & Wildlife Service (*Marine Issues Panel*)

James Bond has degrees in Oceanography and Geology, and years of experience in natural resource management. James currently works for US Fish & Wildlife Service's Arcata office as one of the leads in the Endangered Species program.

Stephen Bowler, Federal Energy Regulatory Commission (*Regulatory Agencies Panel*)

Stephen Bowler joined the Federal Energy Regulatory Commission's Division of Hydropower Licensing (DHL) in the Office of Energy projects in November 2005. He serves as a Fishery Biologist reviewing hydropower license applications and preparing environmental documents. Stephen also serves as DHL's Team Leader for the Hydrokinetic and Wave Energy Team, a work group that is supporting the development of the Division's regulatory program for these new hydropower technologies. Previously, Stephen worked for Albemarle County, Virginia where he addressed a wide range of water resource issues, from water supply protection, planning, and permitting to developing stormwater and groundwater policy. Stephen has also worked for the Maryland Department of Natural Resources, the Chesapeake Bay Foundation, and the National Aquarium in Baltimore in positions involving water and fishery resource issues and public education. Stephen is an aquatic ecologist with a M.S. degree from the University of Michigan, a B.A. degree in Biology from the University of Maryland and a B.A in English Literature from Bowdoin College.

Michael Butler, Surfriders (*Community & Fishing Issues Panel*)

Michael Butler is a local engineering consultant, who moved here 18 years ago to enjoy-crowded surfing, and then never left. Decades previously, Michael was a boat builder and voyager – mostly in warmer climates!

Paul Cayler, Mendocino County, Deputy CEO (*Moderator, Industry Perspectives Panel*)

Paul Cayler is a 14-year veteran of Mendocino County government. He started his career at the County of Mendocino as the Solid Waste Division Director. Paul was in charge of a number of critical projects, such as solid waste ordinance reform, collection franchise agreement development, and landfill closure. Paul took a great interest in issues related to river clean up projects. Paul led the effort to improve recycling and source reduction at the County's system of small volume transfer stations. Also, Paul was in charge of the Hopland disaster clean up effort after the 2006 New Years Flood. In 2002, Paul led the successful re-organization of the Solid Waste Division into the Mendocino County Department of Transportation where he served as a Deputy Director of Transportation. In 2006, he transferred to the Mendocino County Executive Office to serve as a Deputy CEO. He is presently assigned to cover public resource issues and the County's legislative program. Paul is a graduate of California State University, Chico with a Major in Public Administration. He is a member of International City/County Management Association and a graduate of UC Davis Extension's Leadership Development Program.

Richard Charter, National Outer Continental Shelf Coalition (*Community & Fishing Issues Panel*)

Richard Charter has been working for nearly three decades to ensure continued protection for sensitive coastlines threatened by offshore oil and gas drilling by maintaining the 28-year bipartisan congressional moratorium on new federal hydrocarbon leasing in coastal waters. Richard coordinated the local government support that led to the creation of the Gulf of the Farallones, Cordell Bank, Channel Islands, and Monterey Bay National Marine Sanctuaries. He currently works on ocean protection issues for Defenders of Wildlife, including offshore oil and gas, ocean mining, and the creation of marine protected areas to restore damaged fisheries and coastal ecosystems. Richard presently serves as the Chair of the

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Gulf of the Farallones National Marine Sanctuary Advisory Council, and is also an appointee to the US Department of Energy's Methane Hydrates Advisory Committee, which advises Congress and the President on national energy and environmental policy matters related to planned commercial extraction of marine and permafrost natural gas hydrate resources. Richard is a resident of the North Coast, and spent much of his childhood in its tidepools and on its beaches.

Michael Grady, College of the Redwoods (*Moderator, Marine Issues Panel*)

Michael Grady has been a biomedical researcher at the University of California, San Francisco and Bayer Pharmaceutical before moving to Fort Bragg and starting a new life teaching Chemistry at College of the Redwoods. He is currently undertaking a graduate study of how to get students to read their textbooks.

Doug Hammerstrom, Mayor of Fort Bragg (*Moderator, Community & Fishing Issues Panel*)

Doug Hammerstrom was first elected to the City Council in November 2004 and, in December 2006, he was elected by the Council to serve as Mayor for a two-year term. Doug was born in St. Paul, Minnesota and raised in Fresno. His early connection to Fort Bragg came during his Fresno years as his father sold a product of the Union Lumber Company. Doug's visits then and vacations later kept him in touch with Fort Bragg. Doug received his undergraduate education at UC Santa Barbara and earned a law degree at Hastings College of Law. Doug resided in Visalia, California where he was an attorney and orange grower prior to moving with his family to the Mendocino coast in 1992. Doug's interests in participatory democracy and land use planning led him to run for a seat on the Fort Bragg City Council. His primary goal on the Council is to have a rich deliberative process involving citizen and expert input so that the Council makes decisions based on the broadest range of collective wisdom they can muster.

Maurice Hill, Minerals Management Service (*Regulatory Agencies Panel*)

Maurice Hill has extensive experience in offshore regulatory programs, environmental reviews, and working with stakeholders. He has worked for the Minerals Management Service for 28 years and joined the Alternative Energy and Alternate Use Program in 2005. Mr. Hill has a Master's degree in marine biology and received his education from the University of California, Irvine and California State University, Fullerton.

John Innes, North Coast Fishing Association (*Community & Fishing Issues Panel*)

John Innes is a retired electronics executive who has been fishing the Fort Bragg area for almost 40 years. He is the Director of the North Coast Fishing Association and serves on several other boards and associations, including the Mendocino Rotary Club, Mendocino Coast Humane Society and Surfwood Homeowners Association. He is a past member & Chair of the Pleasanton Planning Commission; a Director of the Alameda County Fair, and for 15 years, served on various Alameda County commissions and committees. One of his duties was to report to the County Supervisor that he served on implementation of Altamont Pass Wind Farm. John was Chairman of EMCC Alameda County, which was responsible for placing paramedics on fire engines. He was also the Founder and Chairman of the Livermore Valley Ag. Land Trust

Steve Kopf, Ocean Power Technologies (*Industry Perspectives Panel*)

Steve Kopf is with Ocean Power Technologies (OPT), the company involved with wave energy parks proposed for Reedsport, Coos Bay, and Newport, Oregon. Steve's background is in emerging technologies and he has experience working on public/private projects. OPT's PowerBuoy® system is based on the integration of patented technologies in hydrodynamics, electronics, energy conversion and computer control systems capable of responding to differing wave conditions.

Tom Luster, California Coastal Commission (*Regulatory Agencies Panel*)

Tom Luster is a staff environmental scientist for the California Coastal Commission and advises the Commission about issues and projects related to wave energy. He also evaluates other proposed facilities along the California coast, such as coastal power plants, desalination facilities, offshore oil and gas leases, and LNG terminals. Much of his work involves assessing the potential effects of proposed projects on coastal resources, determining what measures are needed to avoid or mitigate adverse effects, and recommending to the Commission whether proposed projects conform to Coastal Act policies. Tom's graduate and undergraduate work focused on natural resource management.

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Dr. Greg McMurray, Oregon Department of Land Conservation and Development (*Marine Issues Panel*)

Dr. McMurray obtained a Bachelor's degree from Ohio University in zoology in 1969 and a master's degree in biology from the University of Akron in 1972. He completed his Ph.D. in biological oceanography at Oregon State University in 1977. After a year of postdoctoral research with the U.S. Geological Survey, he spent six years researching the Misty Fjords National Wilderness Area. From 1984 until 1991, he worked on marine environmental assessments for the Oregon Department of Geology and Mineral Industries. From 1991 until 2004, he was a Principal Environmental Analyst with the Oregon Department of Environmental Quality, working much of that time as the Program Coordinator of the Pacific Northwest Coastal Ecosystems Regional Study which investigated the relationships of natural versus human forces in estuaries. He is presently Marine Affairs Coordinator for the Oregon Dept. of Land Conservation and Development, where his principal duties are to staff the state's Ocean Policy Advisory Council and to facilitate the availability and use of science to inform marine resource management issues.

Becky Ota, California Department of Fish & Game (*Marine Issues Panel*)

Becky Ota has worked with the California Department of Fish and Game's Marine Region since 1984. She has worked on the management of a variety of commercial and recreational fisheries that included Dungeness crab, abalone, Pacific herring, nearshore rockfish, salmon, Dover sole and other groundfish species, and aquaculture issues. She also worked for the Pacific States Marine Fisheries Commission assisting from 1989-1991 with groundfish data collection and stock assessments. In addition to fisheries management, Becky worked on habitat protection and conservation, and water quality issues as an Environmental Scientist from 1997 to 2001, reviewing projects occurring from San Francisco to the Oregon border that had the potential to impact marine and estuarine resources and habitats. She has worked with a myriad of other state and federal agencies, the fishing industry, constituent groups, non-governmental organizations, and the general public. Currently, Becky is the Senior Environmental Scientist, project leader, and supervisor for the Environmental Project Review Project with the Marine Region's Habitat and Conservation Program. She and her staff are responsible for reviewing projects statewide that have the potential for impacting the marine and estuarine environment which include but are not limited to aquaculture projects, desalination plants, power plants, dredging projects, wave energy projects, pollution spills and other water quality issues, invasive species issues, special marine events, dock removal and repair, and bridge retrofits.

Mary Jane Parks, Finavera Renewables, Inc. (*Industry Perspectives Panel*)

Since 2001, Mary Jane Parks has worked as Senior Vice President for Finavera Renewables, Inc., an off-shore wave energy and wind power developer with offices in Vancouver, BC and Portland, OR. She is responsible for business development in Canada, Washington and California. Mary Jane is a founding member and current Chair of Canada's Ocean Renewable Energy Group. During her 17-year career in the energy industry, Mary Jane has held various positions with municipal utilities in southern California developing water and energy conservation programs. In 1996, she developed the first solar powered electric car recharging station for California while with the Azusa, CA utility. She graduated from Occidental College and has a Masters degree from the University of Chicago. Mary Jane is a licensed 100-ton skipper and enjoys sailing with her 3 year old son.

Dan Platt, Salmon Trollers Marketing Association (*Community & Fishing Issues Panel*)

(no info available)

George Reinhardt, Noyo Headlands Unified Design Group (*Facilitator*)

George Reinhardt is a resident of Mendocino County and is a director of the Noyo Food Forest. As a founding member of the Noyo Headlands Unified Design Group and the Coast Energy Task Force, George has followed the wave energy issue for many years.

Paul Siri, Ocean Protection Council (*Marine Issues Panel*)

Paul Siri provides technical and policy guidance on ocean-observing technologies and applications to local, state and federal agencies. Two of these tasks include ocean energy and ecosystem based management. The former Associate Director of the University of California's Bodega Marine Laboratory for 21 years, Paul was responsible for development

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and operation of the Lab's ocean monitoring program. He has worked nationally on developing standards for the operations of biological field stations and for three years has been assisting the City of Fort Bragg with technical and program planning for the Noyo Center for Science and Education planning for the Georgia-Pacific Mill Site.

Kendall Smith, Mendocino County Supervisor, 4th District (*Moderator, Regulatory Agencies Panel*)

Kendall Smith is a Mendocino County Supervisor who has represented the 4th District, which includes the coastal region from Caspar north, since January 2005. Before her election to the Mendocino County Board of Supervisors, Kendall worked as a district representative for U.S. Congressman Mike Thompson where she gained extensive knowledge about the natural resources of the North Coast. In addition to working with federal and state natural resource agencies, she also gained a working relationship with area communities, tribes, non-profit, environmental and commodity-based stakeholder groups. Kendall has a bachelors degree in liberal arts from San Jose State University and graduate studies at Sonoma State University.

Terry Thompson, County Commissioner, Lincoln County Oregon (*Community & Fishing Issues Panel*)

Terry Thompson graduated with a degree in education from Oregon State University in 1969. While at OSU, he took multiple courses in fishery and oceanography study, which kindled his interest in ocean science and its relationships to fisheries resources off the Pacific Coast. Terry is a fisherman with over 4,000 days at sea and has been involved in most of the major fisheries along the West Coast. He was elected to the Oregon House of Representatives in 1994. During his three terms in office, he co-authored such key legislation as the Oregon Salmon Plan and the Education Reform Bill. Terry has strong feelings about the value of natural resources in the State of Oregon and first-hand experience with the power of the ocean. He was instrumental in resolving the conflict between the undersea cable industry and the trawl fishermen in Oregon and recently helped spearhead a wave energy program in Lincoln County. Terry donated his fishing vessel to the whale research program at OSU after his retirement from fishing.

Bill Toman, Pacific Gas & Electric (*Industry Perspectives Panel*)

Bill Toman has over 25 years of experience in energy / environmental project management both here and abroad. Much of his US experience involved developing power plant projects in the San Francisco Bay area. Bill has also worked as a development consultant to the ocean energy industry with projects in Oregon, Hawaii and Rhode Island. Trained as an engineer and as a business manager, he approaches energy project development as an extension to a community's way of life both in terms of economic support and in environmental enhancement.

David White, NOAA, National Marine Fisheries Service (*Marine Issues Panel*)

David White is a hydraulic engineer with NOAA/National Marine Fisheries Service in Santa Rosa. For the past five years, he has been involved with the licensing of conventional hydropower projects on rivers. He is now the NOAA Fisheries Service contact for wave energy projects in California. David has degrees in biology and engineering.

Susan Young, State Lands Commission (*Regulatory Agencies Panel*)

Susan Young is a Public Land Management Specialist in the Land Management Division of the State Lands Commission. Susan is currently involved in lease negotiations with applicants for a variety of offshore public agency and private commercial and industrial projects. She has been involved in successful lease negotiations for coastal and offshore projects including offshore oil and gas pipelines, electrical transmission lines, fiber optic cables, coastal power plants and public agency intake and outfall lines. Susan is working with other State Lands Commission staff on various issues related to offshore alternative energy projects.