OCEAN RENEWABLE ENERGY CONFERENCE

September 25 and 26, 2008
Mill Convention Center, North Bend, Oregon

OregonWaveEnergy TRUST

oregonwave.org

WELCOME

To the Ocean Renewable Energy Conference

It's an exciting time to be thinking—and talking—about renewable energy in Oregon. Thanks to the leadership of Governor Kulongoski, Oregon stands at the forefront of a fast-growing renewable energy industry, since by 2025, fully a quarter of our electricity is projected to come from renewable sources.

Over the past year, we've seen Oregon's wind and solar energy industries grow by leaps and bounds, creating new jobs and providing clean, renewable energy. We firmly believe that today, ocean wave energy is poised to grow in a similar trajectory and will be a critical part of our State's renewable energy portfolio.

Over the next two days you'll encounter a diverse and interesting group of people and organizations all collaborating on the responsible development of wave energy in Oregon—ultimately yielding working projects in the water.

You'll also have the opportunity to help unravel regulatory complexity, network with industry members, learn about a range of environmental studies, coastal community perspectives and hear from members of an international wave industry trade mission.

The conference wraps up on Friday when we'll summarize events and look toward future milestones for the Oregon Wave Energy Trust. We're working to meet future energy to benefit the people living and working in our communities.

Thank you for coming and enjoy the conference.

Stephanie Thornton
Executive Director
Oregon Wave Energy Trust

CENTRAL & SOUTHERN OREGON COAST

SCHEDULE-AT-A-GLANCE

THURSDAY September 25

12:00noon
Registration, Poster Sessions & Sponsor Exhibits Open

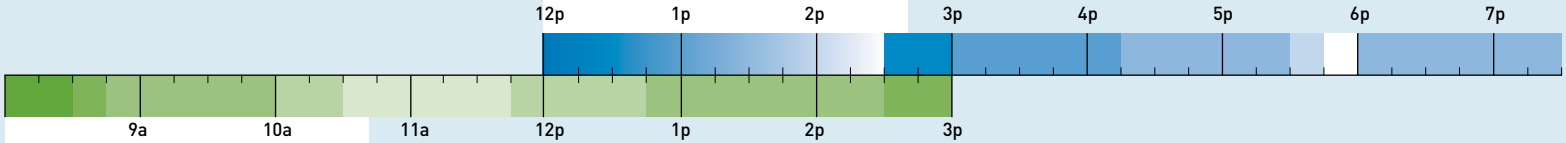
2:30pm–3:00pm
Conference Kick-off & Keynote Welcome: JoAnne Verger, State Senator

3:00pm–4:15pm
Global Context, Local Actions: Oregon's Role in Global Ocean Renewable Energy

4:15pm–5:30pm
Regulatory Framework: Navigating Federal, State and Local Processes

5:30pm–5:45pm
Northwest National Marine Renewable Energy Center

6:00pm–7:30pm
Reception, Poster Sessions & Sponsor Exhibits



FRIDAY September 26

8:00am-8:30am
Registration, Continental Breakfast, Networking

8:30am–8:45am
Keynote Welcome: Arnie Roblan, State Representative

Educational Sessions

8:45am–10:00am
Community Perspectives

10:00am–10:30am
Networking Break,
Poster Sessions & Sponsor Exhibits Open

10:30am–11:45am
Economic Prospects for Oregon's Coast

11:45am–12:45pm
Lunch
Keynote Speaker: David Chen, Equilibrium Capital Group

12:45pm–2:30pm
Stages of Development:
From Concept to Commercialization

2:30pm–3:00pm
Conference Wrap Up and Moving Forward

DAY ONE SCHEDULE THURSDAY September 25

JOANNE VERGER, with 30 years of public service, was Coos Bay's first woman mayor, serving 4 terms. She was Chair of the Coastal Caucus and served on the board of the Coos Bay-North Bend Water Board and the Pacific Fisheries Legislative Task Force. Currently, Verger is a member of the Rural Policy Advisory Board, the Task Force on Human Trafficking, and is a member of Full Ways and Means.

REGISTRATION, POSTER SESSIONS & SPONSOR EXHIBITS OPEN AT 12:00noon

KICK-OFF & KEYNOTE WELCOME 2:30pm–3:00pm

Welcoming remarks, conference overview and a special review from the Oregon Governor's office on the West Coast Governor's Alternative Energy Workshop.

SPEAKERS

State Senator JoAnne Verger
Kevin Banister, Chair, Oregon Wave Energy Trust
Rick Williams, Chair, Ocean Renewable Energy Conference
Jessica Hamilton, Natural Resources Policy Advisor, Office of Oregon Governor Ted Kulongoski

GLOBAL CONTEXT, LOCAL ACTIONS 3:00pm–4:15pm

Oregon's Role in Global Ocean Renewable Energy

Oregon is in a strong position to leverage strategic European and Canadian market partnerships to ensure the responsible development of wave energy. Closer to home, a brand new model of collaborative community engagement, groundbreaking regulatory improvements and technical expertise will foster the emergence of a new industry in the State of Oregon.

Renowned international experts bring global context into focus with a discussion of ocean energy development as a viable resource alternative to meet growing global energy demands.

PANELISTS

Roger Bedard, Ocean Energy Leader, Electric Power and Research Institute (moderator)
Derek Robertson, Delegate, UK Trade and Investment
Chris Campbell, Executive Director, Ocean Renewable Energy Group
Alejandro Moreno, Water Power Technology Manager, United States Department of Energy
Sean O'Neil, President, Ocean Renewable Energy Coalition
Stephanie Thornton, Executive Director, Oregon Wave Energy Trust

ROGER BEDARD has over 40 years of experience developing and leading technology research, development and demonstration projects. His current research focuses on collaborative ocean energy feasibility studies and demonstration projects, including a wave energy conversion technology feasibility study in 2004 with state energy agencies and utilities in 6 states.

KEVIN BANISTER is an energy consultant with experience working with solar development and electric vehicle concerns, as well as to Finavera Renewables, an ocean wave energy developer. Banister holds an advanced degree in Economic Development from the London School of Economics, and a bachelor's degree from the University of California at Santa Barbara.

REGULATORY FRAMEWORK 4:15pm–5:30pm

Navigating Federal, State and Local Processes

There are multiple complexities and regulatory challenges within Federal, State and Local statues relating to ocean and land use. Unraveling these complexities to inform a new working economic model will be critical to the success of a robust wave energy industry in Oregon. A panel of experts will discuss the opportunities and challenges facing an emerging industry and share how a project navigates the process from demonstration to commercial build-out.

PANELISTS

Kevin Banister, Chair, Oregon Wave Energy Trust (moderator)
Ann Miles, Director of the Division of Hydropower, Federal Energy Regulatory Commission
Maurice Hill, West Coast Alternative Energy Coordinator, Minerals Management Service
Paul Klarin, Coastal Policy Analyst, Oregon Department of Land Conservation and Development
Rob Bovett, Assistant County Council, Lincoln County
Steve Kopf, Partner, Pacific Energy Ventures

Northwest National Marine Renewable Energy Center 5:30pm–5:45pm

Oregon State University has led the nation in ocean energy research and development for over a decade. Learn more about the latest developments to establish a multidisciplinary, National Research Center on Ocean Energy.

SPEAKER
Bob Paasch, Interim Director, Northwest Marine Renewable Energy Center, Oregon State University

BOB PAASCH, P.E., is Interim Director and technical lead for the Northwest Marine Renewable Energy Center, recently established by the US Department of Energy at Oregon State University. Dr. Paasch is the Boeing Professor of Mechanical Design within the School of Mechanical, Industrial and Manufacturing Engineering at OSU. He has been at OSU since 1990.

RECEPTION, POSTER SESSIONS & SPONSOR EXHIBITS
6:00pm–7:30pm

Join conference attendees, keynote speakers and hosts for networking and visual exploration of wave energy development in Oregon.

A Special Thank You to Sponsors of the Welcome Reception

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DAY TWO SCHEDULE FRIDAY September 26

ARNIE ROBLAN is currently serving his second term in the Oregon House of Representatives. While in the legislature, he has served on the House Elections, Ethics, and Rules Committee, the Land Use Fairness Committee, and the Subcommittee on Education Innovation. He now serves on the interim Education Committee, and continues to chair both the House Agriculture and Natural Resources and Rural Policy Committees.

KEYNOTE WELCOME 8:30am–8:45am

State Representative Arnie Roblan

Community Perspectives 8:45am–10:00am

Numerous people and local communities, ranging from commercial fishing to recreation and tourism, among many others, use the Oregon Coast. Learn first-hand the perspectives of these groups and hear how wave energy is now a topic in coastal communities. This session will include a round-up of information gathered during the Oregon Wave Energy Trust's Open House at Southwestern Oregon Community College.

PANELISTS

Kaety Hildenbrand, Marine Fisheries Extension Faculty, Oregon Sea Grant (moderator)
Nick Furman, Executive Director, Oregon Dungeness Crab Commission and Chair of Southern Oregon Ocean Resource Coalition (SOORC)
Pete Stauffer, Oregon Policy Coordinator, Surfrider Foundation
Bob Eder, Commercial Fisherman, Fishermen Involved in Natural Energy (FINE)
Mark Labhart, Tillamook County Commissioner, Fishermen Advisory Council of Tillamook (FACT)
Leesa Cobb, Director, Port Orford Ocean Resource Team
Robin Hartmann, Ocean Program Director, Oregon Shores Conservation Coalition

KAETY HILDENBRAND grew up in a commercial fishing family in Oregon. Her educational background is in natural resources and marine education. Before coming to work with Oregon Sea Grant, Kaety designed and taught k-12 marine science programs for educational facilities. She has been a marine extension agent with Oregon Sea Grant for fours years, and works closely with coastal communities and the commercial fishing industry. Her work often has her acting as a bridge between the commercial fishing community, scientists, educators, coastal issues, and the community at large.

Networking Break 10:00am–10:30am

Poster Sessions & Sponsor Exhibits Open

Economic Prospects for Oregon's Coast 10:30am–11:45am

The emerging wave energy industry represents significant potential for new job growth and economic development. A panel of experts will discuss what this could mean for coastal communities and the whole state of Oregon. Panelists will explore a range of topics from job types and location to the types of training needed for successful growth.

PANELISTS

Tim McCabe, Director, Oregon Economic and Community Development Department (moderator)

David Gibson, Renewable Energy Program Manager, Oregon Iron Works

Steve Grover, Senior Economist, Eco Northwest

Dr. Judith Hansen, President, Southwestern Oregon Community College

Dr. Susan Wolff, Chief Academic Officer, Columbia Gorge Community College

TIM McCABE served as Governor Ted Kulongoski's Senior Economic Development Policy Advisor from August 2006 until May 2008, when he was appointed Director of the Oregon Economic & Community Development Department (OECDD). Previously, he spent ten years as the economic development manager for PacifiCorp. He has worked directly with OECDD on a myriad of projects helping to create thousands of jobs. In September 2006 he was honored as Economic Development Leader of the Year.

LUNCH 11:45am–12:45pm

KEYNOTE SPEAKER
David Chen, Equilibrium Capital Group

In 2007, **DAVID CHEN** formed Equilibrium Capital Group, an investment firm committed to building the leading companies for a sustainable future. He serves as a Board Member of the Federal Reserve Bank of San Francisco's Portland Branch, is the Governor-Appointed Chairman of the Oregon Innovation Council, Chairman of the Oregon Nanoscience and Microtechnologies Institute, Advisory Board Member of the Oregon Investment Fund, and Advisory Board of the X Prize for Energy & Environment.

A Special Thank You to Friday's Keynote Lunch Hosts

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STAGES OF DEVELOPMENT 12:45pm–2:30pm
From Concept to Commercialization

Developing a wave energy project is extremely complex and takes several years to complete. Learn more about the key decision points resulting in successful projects, and how a developer navigates environmental, social and economic challenges from a panel of experts.

PANELISTS
Justin Klure, Partner, Pacific Energy Ventures (moderator)
Cherise Oram, Partner, Stoel Rives LLP
George Boehlert, Director, Hatfield Marine Science Center
Onno Husing, Executive Director, Oregon Coastal Zone Management Association
John Prescott, CEO, PNGC Power
David Williams, CEO, Shorebank Pacific

JUSTIN KLURE has over twelve years experience in energy development and governmental affairs; serving as senior policy advisor for the State of Oregon, founding member and director of the Oregon Wave Energy Trust, and now as an energy consultant for industry and academia. He holds an MBA and BS from Willamette University.

Conference Wrap Up & Moving Forward 2:30pm–3:00pm

A summary of two days of networking, educational sessions, community input and detailed discussions. Lessons learned from the conference will be applied to future activities spearheaded by the Oregon Wave Energy Trust.

KEVIN BANISTER, Chair, Oregon Wave Energy Trust (OWET), is an energy consultant with experience working with solar development and electric vehicle concerns, as well as to Finavera Renewables, an ocean wave energy developer. Banister holds an advanced degree in Economic Development from the London School of Economics, and a bachelor's degree from the University of California at Santa Barbara.

STEPHANIE THORNTON, Executive Director, Oregon Wave Energy Trust (OWET) Thornton's experience in directing complex environmental, regulatory and utility business initiatives guides her efforts to establish OWET as a preeminent authority in wave energy technology. Before joining OWET, she was a program manager at Portland General Electric, and in Washington, D.C., she served as chief of NOAA's National Marine Sanctuary Program, where she guided the planning and establishment of new marine protected areas along with management oversight of established sites.

RICK WILLIAMS, SAIC Maritime Technologies, Board Member and Conference Chair, Oregon Wave Energy Trust (OWET), Williams represents SAIC, a FORTUNE 500® scientific, engineering, and technology company. Rick is an ocean engineer who holds an MBA from San Diego State University and a bachelor's degree in engineering from Oregon State University. He has over 30 years of project, program and portfolio management experience. A retired Navy Captain and Fellow of the Explorers Club, he served as command pilot of Deep Submergence Vehicle SEA CLIFF during the initial test dive to 20,000 feet; and, as Commanding Officer of the nuclear attack submarine, USS SPADEFISH (SSN 668), Rick led two expeditions to the North Pole.

The third annual Ocean Renewable Energy Conference, hosted by the Oregon Wave Energy Trust, would not be possible without the generous support and contributions from our sponsors.

Ocean Renewable Energy Conference Sponsors

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