



Oregon Marine Renewable Energy Week
 September 19-23, 2016
 Leftbank Annex
 101 N Weidler, Portland, OR 97227

Wednesday, September 21 - Ocean Renewable Energy Conference Day 1

7:30 a.m. - 8:30 a.m.	Registration, Networking, and Exhibitor Tables	Leftbank Annex Lobby
8:30 a.m. - 8:45 a.m.	Welcome Remarks and 2016 Captain Rick Williams Ocean Energy Leader Award Presentation	Leftbank Annex greatroom
Welcome Remarks and Introduction	Jason Busch, Executive Director, Oregon Wave Energy Trust, Co-Chair, Marine Energy Council	
Ocean Energy Leadership Award Presentation	Captain Rick Williams , Director, Columbia Region, Leidos Maritime Solutions	
Ocean Energy Leadership Award Acceptance	Recipient to be announced	
8:45 a.m. - 10:00 a.m.	Marine Renewables: Making the Case	Leftbank Annex greatroom
Session Description	Session Description: Developing a new energy technology is no easy task, and we are all well aware of the risks and barriers. But what is the promise of this new industry that warrants such effort and investment? This panel will answer that question, remind you of what is at stake, and arm you with the data and narrative to help persuade and represent the value and future of this promising industry.	
Moderator	Rebecca O'Neil, Renewable Energy, Strategic Partnerships, Pacific Northwest National Laboratory	
Speaker	Chris Campbell, Strategic Advisor, Marine Renewables Canada	
Speaker	Levi Kilcher, Senior Scientist, National Renewable Energy Laboratory	
Speaker	Reenst Lesemann, Chief Executive Officer, Columbia Power Technologies, Inc., Co-Chair, Marine Energy Council	
Speaker	John Stevenson, Regional Extension Climate Specialist, Oregon State University	
10:00 a.m. - 10:30 a.m.	Networking Break	Leftbank Annex greatroom
10:30 a.m. - 12:00 a.m.	Identifying and Creating Options for Marine Renewables in Evolving West Coast Energy Markets	Leftbank Annex greatroom
Session Description	It's clear that the standard power purchase agreement (PPA) model may not work for marine energy, especially in the early stages of the industry, primarily because of the cost of power. So, what's the path forward for above market power, and how do we improve the market for marine renewables? This panel will analyze these questions, and other probing questions, like: How do we better define the benefits of these new technologies? What models can we use or create to provide a market for early projects? How do we minimize the risk of new technologies, so as to distribute the costs and benefits more broadly? What are the implications of the new Oregon Renewable Portfolio Standard (RPS), the Energy Imbalance Market, and the expansion of the California ISO?	
Moderator	Wayne Lei, Corporate Research & Development, Smart Grid Planning, Portland General Electric, Member, OWET Board of Directors	
Speaker	Tim Belden, Principal, EnergyGPS	
Speaker	Diane Broad, Senior Policy Analyst, Energy Technology and Policy, Oregon Department of Energy	
Speaker	Jeff Morris, State Representative, Washington State Legislature	
Speaker	Michael O'Brien, Senior Policy Analyst, Renewable Northwest	
12:00 p.m. - 1:00 p.m.	Networking Lunch	Leftbank Annex clubroom
1:00 p.m. - 2:30 p.m.	Alternative Off-takers and Markets for Marine Renewables	Leftbank Annex greatroom
Session Description	Marine renewable technology companies must ultimately find a buyer for the electricity they produce. Options for above market power are limited, but there are a growing number of options beyond the typical PPA with a utility. Commercial and industrial customers are a growing market, as companies seek to secure renewable energy power and meet their growing needs through mechanisms such as the "virtual PPA." Other options include direct access, green tariffs, and renewable energy certificates. This panel will explore these various market opportunities, with a special focus on how the marine renewables industry may best take advantage of them.	
Speaker	Ken Dragoon, Chief Executive Officer, Flink Energy Consulting	
Speaker	Brooke Malik, Portfolio Manager, 3Degrees	

Speaker	Bill Staby, Chief Executive Officer, Resolute Marine Energy, Inc.	
2:30 p.m. - 2:45 p.m.	Break	Leftbank Annex greatroom
2:45 p.m. - 4:00 p.m.	Connecting to the Grid: Hardware and Contracts - What You Need to Know	Leftbank Annex greatroom
Session Description	As the industry moves to commercial maturity, several issues arise relevant to connecting to the grid. This panel will provide expert insights into processes for interconnection (interconnection studies and agreements, wheeling contracts, and power sales) and grid integration (transmission, ancillary services, and dynamic transfer).	
Moderator	Preston Michie, Bonneville Power Administration (Retired), Member, OWET Board of Directors	
Speaker	Bruce Lovelin, Engineering Manager, Central Lincoln People's Utility District	
Speaker	Bart McManus, Electrical Engineer, Bonneville Power Administration	
Speaker	Nick Peck, Business Analyst; Generation Integration & Interconnection Policy & Compliance Specialist, SalientCRGT (on contract to BPA)	
4:00 p.m. - 5:30 p.m.	Marine Spatial Planning: West Coast Style	Leftbank Annex greatroom
Session Description	The National Ocean Council has begun to implement the National Ocean Policies of the Obama Administration, including regional marine spatial planning, which has already occurred for the northeast and mid-Atlantic regions. Regional planning for the west coast has just begun, and this panel will feature specialists in this subject to discuss what we can expect, and how the marine renewables industry can engage in this effort.	
Moderator	Anne Merwin, Director of Ocean Planning, Ocean Conservancy	
Speaker	John Hansen, Coordinator, West Coast Regional Planning Body	
Speaker	Jennifer Hennessey, Senior Ocean Planner, Washington State Department of Ecology	
Speaker	Andy Lanier, Marine Affairs Coordinator, Department of Land Conservation and Development	
5:30 p.m.	Closing Remarks and Adjourn for Day	Leftbank Annex greatroom
5:30 p.m. - 7:30 p.m.	Conference Welcome Reception	Leftbank Annex clubroom
Thursday, September 22 - Ocean Renewable Energy Conference Day 2		
8:00 a.m. - 9:30 a.m.	Department of Energy Wave Energy Prize Finalists Showcase	Leftbank Annex greatroom
Session Description	Finalists from the US Department of Energy's Wave Energy Prize will be on the conference floor to show and tell about their technologies and experience moving through the WEC prize process. Conference attendees will be encouraged to visit with the teams and learn about their experiences from the competition and plans for further development.	
Moderator	Matt Sanders, Program Director, Oregon Wave Energy Trust	
Participant	Stewart Bible, Co-Founder, Harvest Wave Energy	
Participant	Alex Hagmüller, Owner, Aquaharmonics	
Participant	Mike Morrow, Chief Executive Officer, M3 Wave LLC	
Participant	Dr. Tim Mundon, Chief Engineer, Oscilla Power Inc.	
9:30 a.m. - 10:00 a.m.	Q&A Session with Department of Energy Wave Energy Prize Finalists	Leftbank Annex greatroom
Session Description	WEC Prize finalists will take the stage for a question and answer session with conference attendees.	
Moderator	Matt Sanders, Program Director, Oregon Wave Energy Trust	
Participant	Stewart Bible, Co-Founder, Harvest Wave Energy	
Participant	Alex Hagmüller, Owner, Aquaharmonics	
Participant	Mike Morrow, Chief Executive Officer, M3 Wave LLC	

Participant	Dr. Tim Mundon, Chief Engineer, Oscilla Power Inc.	
10:00 a.m. - 10:30 a.m.	Networking Break & Exhibits	Leftbank Annex greatroom
10:30 a.m. -10:45 a.m.	Federal Update	Leftbank Annex greatroom
Session Description	Damian Kunko, Vice President with SMI/Helios Strategies and well-respected advocate for MHK in Washington DC, will provide a description of the federal landscape related to marine energy policy and research and development funding activities.	
Introduction	Jason Busch, Executive Director, Oregon Wave Energy Trust, Co-Chair, Marine Energy Council	
Speaker	Damian Kunko, Vice President, SMI/Helios Strategies	
10:45 a.m. - 12:30 p.m.	Environmental Effects and Permitting of Marine Renewables	Leftbank Annex greatroom
Session Description	Over the past several years, significant progress has been made in understanding the effects, or lack thereof, from marine renewable energy on the ocean environment. This panel will report out from the previous day's regulatory workshop, provide a summary of the state of the science, and discuss how our improved understanding can impact the regulatory process for early testing and demonstration projects.	
Moderator	Justin Klure, Managing Partner, Pacific Energy Ventures	
Speaker	Andrea Copping, Senior Scientist, Pacific Northwest National Laboratory	
Speaker	Cherise Gaffney, Partner, Stoel Rives	
Speaker	Sharon Kramer, Principal, H. T. Harvey & Associates	
12:30 a.m. - 1:30 p.m.	Networking Lunch	Leftbank Annex clubroom
1:30 p.m. - 2:45 p.m.	From Concept to Commercialization: The Pacific Pathway	Leftbank Annex greatroom
Session Description	The US West Coast presents a unique opportunity for marine renewable energy technology development from concept to commercialization. This panel will highlight the strengths of established and proposed test centers across the region, while also considering how the centers can work together to streamline lifecycle testing and early development opportunities.	
Moderator	Tim Ramsey, Technical Project Officer, Department of Energy	
Speaker	Belinda Batten, Director, Northwest National Marine Renewable Energy Center, Oregon State University	
Speaker	Patrick Cross, Project Manager, Wave Energy Test Site Support, Hawaii Natural Energy Institute, University of Hawaii	
Speaker	Brian Polagye, Co-Director, Northwest National Marine Renewable Energy Center, University of Washington	
Speaker	Captain Rick Williams , Director, Columbia Region, Leidos Maritime Solutions	
2:45 p.m. - 3:15 p.m.	Networking Break	Leftbank Annex greatroom
3:15 p.m. - 4:45 p.m.	Technology Convergence: Concept and Application	Leftbank Annex greatroom
Session Description	Technology convergence is a common topic in marine renewables. But what is the basis of this concept, and how does it apply to marine renewables? This panel will discuss the background of this concept, and consider how the concept does or does not affect marine renewables and its subsystems.	
Speaker	Gareth Davies, Managing Director, Aquatera Ltd.	
Speaker	Neil Rondorf, Business Development Manager, Leidos Maritime Solutions, Chairman, IEC TC-114	
Speaker	Jochem Weber, Ph.D., Chief Engineer, National Renewable Energy Laboratory	
Speaker	Captain Rick Williams , Director, Columbia Region, Leidos Maritime Solutions	
4:45 p.m. - 5:00 p.m.	Closing Remarks and Announcements: Adjourn	Leftbank Annex greatroom

Note: Program is subject to change