



FINAL PROGRAM

21st Century Waterways: The Changing Tide of Harbor Safety

16th Biennial National Harbor Safety Committee Conference

September 13–15, 2016
Portland, Oregon



Organized by
Transportation Research Board

Co-sponsored by
Lower Columbia Region Harbor Safety Committee

SCHEDULE AT A GLANCE

	Tuesday, September 13	Wednesday, September 14	Thursday, September 15								
7:30am	Registration, East Salon Pre-Function Area	Registration, East Salon Pre-Function Area	Breakfast & Exhibits Grand Ballroom Salons 3-4 7:30 - 8:30am								
8:00am			Session 3A: The Dynamic Energy Seascape Grand Ballroom Salon 1 8:30 - 10:00am	Session 3B: Alternative Fuels and Marine Transportation Grand Ballroom Salon 2 8:30 - 10:00am							
8:30am					National Safety Program Updates Grand Ballroom Salon 2 8:30 - 9:30am						
9:00am			Registration, East Salon Pre-Function Area	Registration, East Salon Pre-Function Area	Transition Break						
9:30am					Morning Break & Exhibits Grand Ballroom Salons 3-4 10:00 - 10:30am	Session 7: Marine Planning: The Process to Assimilate Diverse Interests in Maritime Venues Grand Ballroom Salon 2 9:45- 11:15am					
10:00am					Session 4: Maritime Rx: Substances on the Waterways Grand Ballroom Salon 2 10:30am - 12:00pm						
10:30am					Registration, East Salon Pre-Function Area	Registration, East Salon Pre-Function Area	Closing Remarks featuring Rear Admiral Mark E. Butt, Commander, 13th Coast Guard District, U.S. Coast Guard Grand Ballroom Salon 2 11:15 - 11:45am				
11:00am							Lunch & Keynote Address featuring Rear Admiral Shepard Smith, Director, Office of Coast Survey, National Oceanic and Atmospheric Administration Grand Ballroom Salons 3-4 12:00 - 1:30pm	Registration, East Salon Pre-Function Area			
11:30am									Transition Break		
12:00pm							Registration, East Salon Pre-Function Area		Registration, East Salon Pre-Function Area	Registration, East Salon Pre-Function Area	
12:30pm											Opening Keynote Address & Presentation of the HSC of the Year Award featuring Admiral Paul F. Zukunft, Commandant of the U.S. Coast Guard Grand Ballroom Salons 1-2 1:00 - 2:00pm
1:00pm											Transition Break
1:30pm	Session 1: Managing the Rights of Waterway Users Grand Ballroom Salons 1-2 2:15 - 3:45pm										
2:00pm	Session 5: Collaborative Waterways Management Grand Ballroom Salon 2 1:45 - 3:15pm										
2:30pm	Afternoon Break & Exhibits Grand Ballroom Salons 3-4 3:15 - 3:45pm										
3:00pm	Session 2: Cyber Security and Cyber Safety Grand Ballroom Salons 1-2 4:15 - 5:45pm	Session 6A: Preserving Mariner Competency in a Digital Age Grand Ballroom Salon 1 3:45 - 5:15pm	Session 6B: Port Resiliency: Learning from the Past and Planning for the Future Grand Ballroom Salon 2 3:45 - 5:15pm								
3:30pm				Break Before Cruise Cruise Begins Boarding at 5:30pm Red Lion Hotel Dock							
4:00pm	Registration, East Salon Pre-Function Area	Registration, East Salon Pre-Function Area	Registration, East Salon Pre-Function Area								
4:30pm				Welcome Reception & Exhibits Welcome Remarks from Bill Wyatt, Director, Port of Portland Grand Ballroom Salons 3-4 6:00 - 7:30pm							
5:00pm				Portland Spirit Cruise 6:00 - 9:00pm	Registration, East Salon Pre-Function Area						
5:30pm						Registration, East Salon Pre-Function Area					
6:00pm				Registration, East Salon Pre-Function Area			Registration, East Salon Pre-Function Area				
7:30pm								Registration, East Salon Pre-Function Area			
8:30pm									Registration, East Salon Pre-Function Area		

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ACKNOWLEDGEMENTS

This conference would not have been possible without the combined efforts of many individuals and organizations. Special acknowledgement is given to the Lower Columbia Region Harbor Safety Committee and the Merchants Exchange of Portland for their extraordinary efforts in planning this event.

Conference Chair

Fred Myer, Port of Portland

Conference Planning Committee Members

Captain Kirk Bonnin, Olympic Tug and Barge
Rebekah Canfield, Merchants Exchange of Portland Oregon
Randy Clark, U.S. Coast Guard
Dennis Corwin, Portland Spirit
LT Eric Hatfield, U.S. Coast Guard
Ashley Helenberg, Port of Longview
LCDR Justin Jacobs, U.S. Coast Guard
Susan Johnson, Oregon Board of Maritime Pilots
Christian Jones, Port of Portland
LCDR Anthony Kenne, U.S. Coast Guard
Rajiv Khandpur, U.S. Coast Guard
Captain Lynn Korwatch, Marine Exchange of the San Francisco Bay Region
Kate Mickelson, Columbia River Steamship Operators Association
Crescent Moegling, National Oceanic and Atmospheric Administration
Heather Stebbings, Pacific Northwest Waterways Association
John Veentjer, Marine Exchange of Puget Sound
Liz Wainwright, Merchants Exchange of Portland Oregon
Robin Wright, Merchants Exchange of Portland Oregon

TRB Staff

Scott Brotemarkle, Senior Program Officer, Marine Transportation and Intermodal Freight
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Mai Le, Associate Program Officer
Bruce Millar, Deputy Director, Meetings Department

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NOAA Office of Coast Survey



Pilots' Association for the Bay and River Delaware



Puget Sound Partnership



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American Pilots' Association



Crowley



National Response Corporation

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WELCOME



WELCOME TO PORTLAND, CITY OF ROSES!

On behalf of the Lower Columbia Region Harbor Safety Committee (LCRHSC), I am pleased to welcome you to the 16th Biennial National Harbor Safety Committee Conference. Our theme, ***“21st Century Waterways: the Changing Tide of Harbor Safety”*** highlights and addresses many important issues facing waterways users across the country.

We have crafted a comprehensive agenda that focuses on nationally pertinent issues and associated best practices, including: management of the rights of waterways users and to attain safety through collaboration, cyber security, substance use on the waterways, mariner competency in the digital world, port resiliency, managing risk to the Marine Transportation System, and finishing up with a stimulating discussion on marine planning as presented in our National Ocean Policy.

On Wednesday, September 14, please join us for a delightful dinner cruise around Portland Harbor aboard our very own river cruise ship Portland Spirit. This evening event will celebrate the hard work and dedication of our Harbor Safety Committees while showing off our beautiful city!

Special appreciation is extended to our conference planning committee, the Transportation Research Board, U.S. Coast Guard—specifically our own Sector Columbia River for all of their hard work and dedication. A hearty “Thank-you” goes out to all of the panelists for providing their insight. I would especially like to express my sincere gratitude to our public and private sponsors. Without their support, this conference would not have been possible. Please be sure to visit our conference exhibitors’ booths in-between sessions, they highly complement the conference program.

We hope that you will find the conference both informative and enjoyable.

Again, welcome to Portland!

Fred Myer, Port of Portland
*2016 Chair, Lower Columbia Region Harbor Safety Committee
Conference Chair*



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HARBOR SAFETY COMMITTEE AWARD

Safety Committee of the Year for 2013: THE SAN FRANCISCO BAY AREA HARBOR SAFETY COMMITTEE

The San Francisco Bay Area Harbor Safety Committee (SFBHSC) is hereby recognized as the Harbor Safety Committee of the Year for the period 2012 through 2013. During that period, the SFBHSC was highly effective in significantly improving maritime safety in and around the San Francisco Bay area, one of the nation's most dynamic and economically relevant ports in the U.S., by promoting collaboration and partnership between government and industry.

Within one month of the tank vessel OVERSEAS REYMAR's allision with the Bay Bridge, the SFBHSC led the development and implementation of new guidelines for vessels operating in reduced visibility. The measures provided a balanced framework to restrict transits under bridges during significantly reduced visibility, while preserving flexibility to allow controlled movement of vessels to avoid adverse, system-wide traffic management and economic impacts. Building consensus across a wide array of maritime interests in such a short timeframe is a testament to the SFBHSC's culture of cooperative problem solving.

The SFBHSC orchestrated the groundbreaking installation of the West Coast's first maritime fog sensor at the Port of Oakland. The sensor provides a tool to quickly assess navigation risk and facilitate the application of appropriate safety restrictions based on reduced visibility conditions. Following the success of the first sensor, SFBHSC installed two additional sensors, providing broad geographic coverage. These innovative navigation planning tools are linked to the NOAA Physical Oceanographic Real-Time System (PORTS), providing additional safety for a wide range of waterway users.

In preparation for the arrival of the MSC FABIOLA, the largest container vessel to call on a North American port, the SFBHSC analyzed and mitigated risks associated with arrivals of Ultra Large Container Vessels (ULCV). The in-depth analysis included a review of hydrodynamic surveys and simulated interaction effects. From this effort emerged a safety advisory protocol for all ULCV arrivals. This protocol exemplified the effectiveness of an HSC as a forum to facilitate safety within the confines of limited geographical area, while maximizing an aging maritime infrastructure.

The SFBHSC was instrumental to safely executing one of the most complex America's Cup Race in the event's 162-year history, and the first of the races to be held within the confines of a busy, dynamic port. The SFBHSC provided the forum for collaboration between numerous government and private entities during the two year planning process. The effort produced a comprehensive, balanced traffic management regime to re-route deep draft vessels, ferries, and other commercial and recreational vessels during race periods, minimizing impacts to vessel schedules. The involvement of the SFBHSC ensured the safety of over 800,000 spectators and competitors, preserved access to the marine transportation system for a diverse group of users, and facilitated the uninterrupted flow of \$15 Billion in maritime commerce during 80 days of racing.

The exceptional actions and distinguished service of the San Francisco Bay Area Harbor Safety Committee reflect the strong support and teamwork of government, industry, and the wide array of port users and stakeholders. The Committee's efforts are most heartily commended and are in keeping with the highest traditions of maritime service and industry.

2014–2015 Harbor Safety Committee of the Year Nominees

Lone Star Harbor Safety Committee
Lower Columbia Region Harbor Safety Committee
Maine and New Hampshire Port Safety Forum
Tampa Bay Harbor Safety & Security Committee

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KEYNOTE SPEAKER



Admiral Paul F. Zukunft **Commandant, U.S. Coast Guard**



Admiral Paul Zukunft assumed the duties of the 25th Commandant of the U.S. Coast Guard on May 30, 2014. He leads the largest component of the Department of Homeland Security, composed of 88,000 personnel including active duty, reserve, civilian and volunteer Auxiliaries.

Prior to this, Admiral Zukunft served as Commander, Coast Guard Pacific Area, where he was operational commander for all U.S. Coast Guard missions in an area encompassing more than 74 million square miles and provided mission support to the Department of Defense and Combatant Commanders. Other Flag assignments include Commander of the Eleventh Coast Guard District and Director, Joint Inter-agency Task Force West, where he served as executive agent to United States Pacific Command for combating Transnational Criminal Organizations in the Asia-Pacific Region.



In 2010, Admiral Zukunft served as the Federal On-Scene Coordinator for the Deepwater Horizon Spill of National Significance where he directed more than 47,000 responders, 6,500 vessels and 120 aircraft during the largest oil spill in U.S. history. His senior staff assignments included Chief of Operations, Coast Guard Pacific Area and Chief of Operations Oversight, Coast Guard Atlantic Area where he directly supervised all major cutter operations in the Atlantic and Pacific theaters. He also served as Chief of Staff, at the Fourteenth Coast Guard District in Honolulu, Hawaii.

Admiral Zukunft has commanded six units and served extensively in the cutter fleet where he commanded the cutters CAPE UPRIGHT, HARRIET LANE, and RUSH.

A native of North Branford, Connecticut, Admiral Zukunft graduated from the U.S. Coast Guard Academy in 1977 with a Bachelor of Science degree in Government; from Webster University in 1988 with a Master of Arts degree in Management; and from the U.S. Naval War College in 1997 with a Master of Arts degree in National Security and Strategic Studies. He is a graduate of the Asia Pacific Center for Strategic Studies Executive Seminar and Harvard's Kennedy School of Government National Preparedness Leadership Initiative course.

His personal awards include both the Department of Homeland Security and Coast Guard Distinguished Service Medals, Defense Superior Service Medal, three Legions of Merit and five Meritorious Service Medals with "O" device among others.

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LUNCHEON SPEAKER



Rear Admiral, Shepard M. "Shep" Smith, NOAA *Director, NOAA's Office of Coast Survey*

Rear Admiral Shepard Smith began his new assignment as director of the Office of Coast Survey on August 26. Smith returns to Coast Survey after his latest of three tours on the NOAA Ship Thomas Jefferson, twice as her commanding officer. He also served as a junior officer on the NOAA Ship Rainier, surveying in Alaska, and as the officer-in-charge of the M/V Bay Hydrographer in Chesapeake Bay. Smith was on the inter-agency response teams for the search and recovery of TWA flight 800, EgyptAir flight 990, and the private plane piloted by John F. Kennedy, Jr. He commanded the Thomas Jefferson during her six-week response to the Deepwater Horizon oil spill.



During his shore assignments with Coast Survey, Smith served as the chief of the Atlantic Hydrographic Branch, chief of the Marine Chart Division, and as the deputy hydrographer. Smith was also the deputy director of the Office of Response and Restoration, on the staff of the USCG LANTAREA headquarters, and was a senior advisor to the Assistant Secretary of Environmental Observation and Prediction.

NOAA Ship Thomas Jefferson, under Smith's command, was awarded a Commerce Gold Medal for heroism, and Smith has individually been recognized and received many additional accolades and medals.

CLOSING SPEAKER



Rear Admiral Mark E. Butt *Commander, Thirteenth Coast Guard District* *U.S. Coast Guard*



Rear Admiral Mark E. Butt serves as the Commander of the Thirteenth Coast Guard District headquartered in Seattle. He is responsible for all Coast Guard operations throughout the Pacific Northwest which includes protecting life and property, enforcing federal laws and treaties, preserving the living marine resources, and promoting national security. The Thirteenth District spans over the states of Washington, Oregon, Idaho, and Montana and includes more than 4,400 miles of coast-line, 600 miles of inland waterways, and a 125 nautical mile international border with Canada.

After graduating from the U.S. Coast Guard Academy in 1982, Rear Admiral Butt first served aboard the USCGC SUNDEW in Duluth, Minnesota, followed by Naval Flight Training in Pensacola, Florida. As a rotary-wing aviator, Rear Admiral Butt served operational tours of duty at Air Stations Borinquen, Puerto Rico; Astoria, Oregon; Port Angeles, Washington; and Elizabeth City, North Carolina.



Rear Admiral Butt's command tours include Commanding Officer of the Coast Guard Group and Air Station Humboldt Bay in Northern California as well as the Commanding Officer of Air Station Detroit, Michigan. He served as the first Commanding Officer of the Asset Project Office (APO) located in and as the Commanding Officer of the Surface Forces Logistics Center (SFLC) in Baltimore, Maryland. Rear Admiral Butt has served as the chief of the Office of Aeronautical Engineering (CG-41), was the director at the Mission Support Integration Office (DCMS-5), served as the Assistant Commandant for Capability (CG-7), and most recently served as Deputy Commandant for Operational Policy and Capability located at Coast Guard Headquarters, Washington, DC.

A native of Hartley, Iowa, Rear Admiral Butt holds a Master of Science in Aeronautical Structures from Purdue University. His military awards include the Coast Guard Distinguished Service Medal, Legion of Merit, Meritorious Service Medal, the Air Medal, Coast Guard Commendation Medal, and the Coast Guard Achievement Medal.

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CONFERENCE SESSIONS

Tuesday, September 13

12:00 p.m.–4:00p.m., *East Salon Pre-Function Area*

Registration

1:00 p.m.–2:00 p.m., *Grand Ballroom Salons 1 and 2*

Opening Session

Welcoming Remarks and Introduction of Keynote Speaker

Fred Myer, Port of Portland, *Conference Chair*

Keynote Address and Presentation of Harbor Safety Committee of the Year Award

Admiral Paul F. Zukunft, Commandant of the U.S. Coast Guard

2:15 p.m.–3:45 p.m., *Grand Ballroom Salons 1 and 2*

Session 1: Managing the Rights of Waterway Users

Rajiv Khandpur, U.S. Coast Guard, *presiding*

Our waterways are a source of recreation and enhance the quality of life for many Americans. While “navigable servitude” gives the federal government the right to regulate navigable waterways, under the U.S. Constitution freedom of navigation and the public’s right to use these waterways are guaranteed. This forum will summarize recent efforts that have led to innovative solutions in ensuring the objectives of federal, commercial and public interests are met.

Panelists:

- Lieutenant Kathleen Haseley, U.S. Coast Guard, Sector Puget Sound
- Captain M.W. (Joe) Raymond, U.S. Coast Guard, Sector Puget Sound
- Commander Rosemary Firestine, U.S. Coast Guard, Sector Columbia River
- Kent Roberts, Schwabe, Williamson and Wyatt

3:45 p.m.– 4:15 p.m., *Grand Ballroom Salons 3 and 4*

Break and Exhibits

4:15 p.m.–5:45 p.m., *Grand Ballroom Salons 1 and 2*

Session 2: Cyber Security and Cyber Safety

Levi Lutz, Harley Marine, *presiding*

The marine industry has become increasingly efficient with the advancement of new technologies and applications. These technologies have also created local and global vulnerabilities. Cybersecurity represents the latest risk to the marine transportation system and is a growing concern. Session speakers, representing both the Federal Government and industry will explore cyber-vulnerabilities and their commitment to addressing them today and into the future.

Panelists:

- Commander Nicholas Wong, U.S. Coast Guard
- Levi Lutz, Harley Marine
- Joe Celano, Trabus Technologies
- Cris DeWitt, American Bureau of Shipping

6:00 p.m.– 7:30 p.m., *Grand Ballroom Salons 3 and 4*

Welcome Reception and Exhibits

Welcoming Remarks

Bill Wyatt, Director, Port of Portland



Wednesday, September 14

7:30 a.m.–4:00 p.m., *East Salon Pre-Function Area*

Registration

7:30 a.m.–8:30 a.m., *Grand Ballroom Salons 3 and 4*

Exhibits and Breakfast

Breakout Sessions

8:30 a.m.–10:00 a.m.

Session 3A: The Dynamic Energy Seascape, *Grand Ballroom Salon 1*

Helen Brohl, Committee on the Marine Transportation System, *presiding*

The domestic oil and gas renaissance has presented challenges for the U.S. transportation sector. New crude oil supplies have resulted in increased multi-modal transportation of oil and downstream products with significant change in the transportation of that oil and downstream products in our ports and on our waterways. This panel will discuss some of the ongoing changes in oil transportation aimed at addressing the impact in our ports and on our waterways.

Panelists:

- Suzanne Lemieux, American Petroleum Institute
- Captain Scott Ferguson, Washington Ecology Spills Program
- Captain JJ Plunkett, Houston Pilots
- Captain Jon Kemmerley, Mariners' Advisory Committee for the Bay & River Delaware

Session 3B: Alternative Fuels and Marine Transportation, *Grand Ballroom Salon 2*

Commander Jason Smith, U.S. Coast Guard, *presiding*

The United States is poised to become a major producer, consumer, and exporter of Liquefied Natural Gas (LNG). This session explores trends in the alternative fuels market and technological advancements that have made LNG a viable alternative fuel for marine transport. Experts from government, industry, and American Bureau of Shipping will present topics that include: risks and rewards of LNG as a fuel; environmental and financial considerations; a regulatory overview; LNG supply routes and bunkering options; and LNG-fueled vessel operations and best practices.

Panelists:

- Aditya Aggarwal, ABS Global Gas Solutions
- John Dwyer, U.S. Coast Guard
- Charles White, Jacksonville Port Authority
- Chad Verret, Harvey Gulf International
- Pace Ralli, Clean Marine Energy

10:00 a.m.–10:30 a.m., *Grand Ballroom Salons 3 and 4*

Morning Break and Exhibits

10:30 a.m.–Noon

Session 4: Maritime Rx: Substances on the Waterways, *Grand Ballroom Salon 2*

David Shubin, Sphere MD, *presiding*

Substance use in the workforce is everywhere and the waterways are no exception. New state laws decriminalizing marijuana have led to confusion among workers concerning legality and regulation and wide availability of prescription drugs and illicit opioids are bringing drugs on our waterways to the fore. This panel will delve into the federal, state, and civilian perspectives on the challenges associated with drug use, regulation and testing, among the waterways workforce.

Panelists:

- Amanda Gamblin, Schwabe, Williamson, & Wyatt
- Stephen Murphy, U.S. Coast Guard
- Jenna Reed, Cascade Employers Association



Noon– 1:30 p.m., *Grand Ballroom Salons 3 and 4*

Lunch & Keynote Address

Introduction of Keynote Speaker

Fred Myer, Port of Portland, *Conference Chair*

**Rear Admiral Shepard Smith, Director, Office of Coast Survey
National Oceanic and Atmospheric Administration**

1:45 p.m.–3:15 p.m.

Session 5: Collaborative Waterways Management, *Grand Ballroom Salon 2*

Kristin Meira, Pacific Northwest Waterways Association, *presiding*

Harbor Safety Committees (HSC) in each of the major port areas have provided for very collaborative waterways management. Through HSCs, waterways managers have been able to implement certain risk mitigation measures in a very timely manner, much quicker than the statutory or regulatory process. These measures might come in the form of new voluntary standards of care or emphasis on existing standards of care. This panel will address several collaborative approaches to vessel safety.

Panelists:

- James Prazak, Tricon Energy & the Lone Star Harbor Safety Committee
- Brian Tetreault, U.S. Army Corps of Engineers
- Steve Nerheim, U.S. Coast Guard
- Darren Wright, National Oceanic and Atmospheric Administration

3:15 p.m.–3:45 p.m., *Grand Ballroom Salons 3 and 4*

Afternoon Break and Exhibits

3:45 p.m.–5:15 p.m.

Session 6A: Preserving Mariner Competency in a Digital Age, *Grand Ballroom Salon 1*

Captain Bill Anderson, MITAGS-PMI, *presiding*

This panel will focus on the impact of technological advances on core competencies for mariners and address the training needs associated with these new advances. In particular, the session will include an overview of the new technologies available to mariners and discuss risk mitigation strategies.

Panelists:

- Scott Powell, California Maritime Academy
- Scott Saarheim, California Maritime Academy
- Captain Bill Anderson, MITAGS-PMI

Session 6B: Port Resiliency: Learning from the Past and Planning for the Future, *Grand Ballroom Salon 2*

Pat Mutschler, U.S. Army Corps of Engineers, *presiding*

“Resilience” is a broad topic that means many things to many different stakeholders. The panelists, hailing from all levels of waterways governance and the user community, will address “resilience” from all vantage points including Federal stewardship, regional cooperation, port community, and industry stakeholder.

Panelists:

- Julie Rosati, U.S. Army Corps of Engineers
- Darren Wright, National Oceanic and Atmospheric Administration
- Patty Ludden, Tote Maritime Alaska
- Randy Clark, U.S. Coast Guard



6:00 p.m.– 9:00 p.m.

National Harbor Safety Committee Conference Dinner Cruise



The cruise will begin boarding following close of sessions on Day 2 of the National Harbor Safety Committee Conference. We will be boarding the Portland Spirit at the dock at the conference hotel, the Red Lion-Jantzen Beach, and arriving at Caruther's Landing. Shuttle transportation will be provided for conference attendees to return to the Red Lion following the cruise.

Schedule of Events

5:30 p.m.–6:00 p.m.: Boarding Begins

5:30 p.m.–6:15 p.m.: Welcome Reception

*Boat sails promptly at 6:00 p.m.

6:15 p.m.–8:00 p.m.: Passed Hors d'oeuvres & Dinner Service

8:00 p.m.–8:30 p.m.: Industry Presentation

8:30 p.m.–9:15 p.m.: Disembark & Shuttle Back To Red Lion

This evening event will celebrate the hard work and dedication of our Harbor Safety Committees while showing off our beautiful city! Come experience the Portland Harbor with us!



**Special thanks to the
Lower Columbia Region Harbor Safety Committee
for organizing the Wednesday evening cruise on the Portland Spirit**



September 13-15, 2016



Thursday, September 15

7:30 a.m.–10:00 a.m., *East Salon Pre-Function Area*
Registration

7:30 a.m.–8:30 a.m., *Grand Ballroom Salons 3 and 4*
Exhibits and Breakfast

8:30 a.m.–9:30 a.m., *Grand Ballroom Salon 2*
National Safety Program Updates
Fred Myer, Port of Portland, *presiding*

Shared Waterway Safety Barry Strauch, NTSB

Lessons learned from the recent National Transportation Safety Board study of the safety of mixing recreational and commercial vessels on our nation's waterways.

Safety in the U.S. Towing Industry: Inspection, Performance, and Partnership Charles Costanzo, AWO

This discussion will highlight new federal regulations subjecting all towing vessels to mandatory inspection, and a new American Waterways Operators-led safety statistics reporting program to benchmark progress.

9:45 a.m.–11:15 a.m.

Session 7: Marine Planning: The Process to Assimilate Diverse Interests in Maritime Venues, *Grand Ballroom Salon 2*

Amardeep Dhanju, Bureau of Offshore Energy Management, *presiding*

Marine planning is a broad description of an activity that enables stakeholders to effectively achieve their individual objectives in cooperation with other stakeholders in the Ocean, coastal regions, the Great Lakes and inland waters. This panel will discuss the concept of marine planning presented in the National Ocean Policy as it integrates the diverse interests and opportunities of Federal, State, Local, Tribal and Private Entity stakeholders within maritime regions. Panelists will describe their organizational authorities, objectives and constraints to help the audience appreciate how many seemingly divergent interests can be better accommodated through the marine planning process.

Panelists:

- Captain Ed Page, Alaska Harbor Safety Committee
- TJ Greene, Makah Tribe
- Ed LeBlanc, U.S. Coast Guard, Sector SE New England
- Andy Lanier, State of Oregon

11:15 a.m.–11:45 a.m., *Grand Ballroom Salon 2*
Closing Remarks

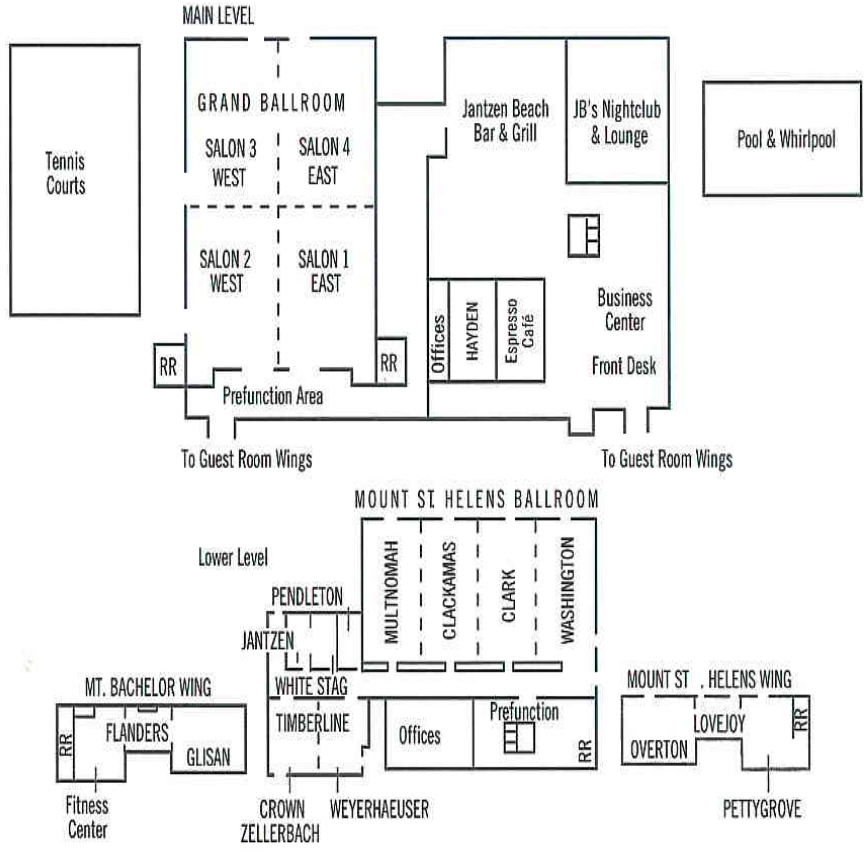
Introduction of Keynote Speaker
Captain William Timmons, USCG Sector Columbia River

Rear Admiral Mark E. Butt, Commander, Thirteenth Coast Guard District. U.S. Coast Guard



FLOOR PLAN

Red Lion Hotel on the River - Jantzen Beach



September 13-15, 2016



Hotel Information

Red Lion Hotel on the River - Jantzen Beach
909 N. Hayden Island Drive
Portland, OR 97217
(503) 283-4466

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