

# DRAFT

Last updated April 6, 2018



## Norwegian Delegation Visit to Seattle

Thursday, May 3 – Friday, May 4, 2018

### MAY 3

TIME	PROGRAM
8:00 a.m.	<p><b>ELECTRIC FERRIES</b> <i>Ivar's Acres of Clams, Pier 54, 1001 Alaskan Way (not yet confirmed)</i></p> <p>Washington State Ferries is embarking on a <b>\$50 million</b> effort to convert its largest and dirtiest ferries to battery <b>electric</b> hybrids. This program will significantly <b>reduce diesel and carbon emissions</b>, improve <b>reliability</b>, save up to \$14 million on ferry <b>operating costs</b> and virtually eliminate engine <b>noise</b> that can hurt orca whales. We'll begin with an overview of the project and a hands-on tour of one of the ferries slated for conversion. On the ride back, we'll discuss opportunities to partner and collaborate.</p> <p><b>WELCOMING REMARKS</b></p> <ul style="list-style-type: none"><li>• <b>Charles Knutson</b>, Office of Governor Jay Inslee</li><li>• <b>Roger Millar</b>, Secretary, Washington State Department of Transportation</li><li>• <b>Hon. Kåre Aas</b>, Norwegian Ambassador to the United States</li></ul> <p><b>WASHINGTON'S ELECTRIC FERRY PROGRAM</b></p> <ul style="list-style-type: none"><li>• <b>Amy Scarton</b>, Director, Washington State Ferries</li></ul> <p><b>Invited Guests:</b> Vigor Shipyard, Elliott Bay Design Group, Glisten</p>
9:00 a.m.	Walk to Colman Dock

## MAY 3 continued...

TIME	PROGRAM
<p>9:35 a.m.</p> <p>10:25 a.m.</p>	<p><b>FERRY TO BAINBRIDGE ISLAND</b>  <i>Colman Dock Conference Room, 801 Alaskan Way, Seattle</i>            Delegates will be provided ferry tickets and board at Colman Dock</p> <p><b>TOUR OF ENGINE ROOM AND WHEELHOUSE</b>  <b>Matt Von Ruden</b>, Operations Director, Washington State Ferries</p> <p><b>RETURN TRIP TO SEATTLE</b>  <i>Delegation will gather on the main passenger deck near the bow</i></p> <p><b>NORWEGIAN RESPONSE</b>            An opportunity to compare notes on the technical aspects of hybrid conversion.</p>
<p>11:00 a.m.</p>	<p>Arrive Seattle, take taxis, ubers or walk to World Trade Centre</p>
<p>11:30 a.m.</p> <p>12:00 p.m.</p> <p>12:30 p.m.</p>	<p><b>LUNCH PROGRAM</b> hosted by the Port of Seattle  <i>Holland American Line Room, World Trade Centre, 2200 Alaskan Way, Seattle</i>  <b>TOAST: Hon. Fred Felleman</b>, Port of Seattle Commissioner</p> <p><b>CLIMATE CHANGE ACTION and GREEN SHIPPING</b>            Washington State leads the <b>US Climate Alliance</b>, a coalition of 15 states and territories committed to meeting the <b>Paris</b> Climate goals. From climate policies like a proposed <b>Carbon Tax</b>, to clean energy like <b>solar</b> and <b>hydro</b>, and clean transportation initiatives like <b>electric vehicles</b>, <b>electric ferries</b> and <b>ultra high speed rail</b>, Washington state is at the forefront of American efforts to combat and defeat climate change.</p> <p><b>KEYNOTE REMARKS</b></p> <ul style="list-style-type: none"> <li>• <b>Hon. Jay Inslee</b>, Governor of Washington State</li> <li>• <b>Hon. Kåre Aas</b>, Norwegian Ambassador to the United States</li> </ul> <p><b>GREEN SHIPPING: MARITIME SUSTAINABILITY STRATEGIES</b>            Ocean health and new technologies will play major roles in the future of the maritime industry, and state leaders want Washington’s \$37.8 billion <b>maritime sector</b> and its nearly 70,000 employees to help lead the way. In December, Governor Inslee launched the <b>Washington Maritime Blue 2050</b> initiative, the first initiative of its kind in the US to bolster innovations in the maritime sector that create <b>living-wage jobs</b>, protect the environment and ensure sustainability for the industry. The initiative envisions ships and passenger ferries powered by <b>electricity</b>, <b>zero-carbon-emission</b> port terminals, more investments in <b>research and development</b>, and increased <b>workforce training</b>.</p> <p><b>Norway</b> has launched several electric ferries, and hydrogen vessels are under development. The government strategy for <b>Green Competitiveness</b> identifies green shipping as an area of priority. The maritime industry, with political support, is now implementing its roadmap for green shipping, towards a <b>low emission future</b>. Lessons learned and shared perspectives on climate change between Norway and Washington provide opportunities for closer collaboration.</p>

## MAY 3 continued...

TIME	PROGRAM
	<p><b>GREEN SHIPPING continued...</b></p> <p><b>REMARKS</b></p> <ul style="list-style-type: none"> <li>• <b>Joshua Berger</b>, Maritime Sector Lead, WA State Department of Commerce</li> <li>• <b>Kristin Skogen Lund</b>, Director General of the Confederation of Norwegian Enterprise</li> <li>• <b>DNV GL</b>, Green Coastal Program and public-private partnerships</li> </ul> <p><b>Moderated Q&amp;A</b></p> <ul style="list-style-type: none"> <li>• <b>Joshua Berger</b>, Maritime Sector Lead, WA State Department of Commerce</li> </ul>
1:30 p.m.	Taxis or ubers to Nordic Museum
2:20 p.m.	<p><b>NORDIC INNOVATION DAY</b> <i>Nordic Museum, 2255 NW Market Street, Seattle</i></p> <p><b>CLEANTECH, NEW MOBILITY AND THE SMART CITIES MOVEMENT</b></p> <ul style="list-style-type: none"> <li>• <b>Bernt Reitan Jenssen</b>, CEO, #Ruter (Norway)</li> <li>• <b>Ashish Kumar</b>, CEO Zunum Aero (USA)</li> <li>• <b>Lars Jonsson</b>, Stellar Holding</li> <li>• <b>Gur Kimchi</b>, VP Amazon PrimeAir (USA)</li> <li>• <b>Amy Scarton</b>, Director, Washington State Ferries (USA)</li> </ul> <p>3:00 p.m. BREAK: Café Freya</p> <p>3:20 p.m. <b>PLAY, TEAMWORK AND PERFORMANCE: HOW TO RULE THE OLYMPICS</b></p> <ul style="list-style-type: none"> <li>• <b>Niels Røine</b>, EVP Communications, Norwegian Olympic and Paralympic Committee</li> </ul> <p>4:00 p.m. <b>NORDIC WAYS – VALUES THAT UNDERPIN INNOVATION AND BUSINESS SUCCESS</b></p> <ul style="list-style-type: none"> <li>• <b>Hon. Kåre Aas</b>, Norwegian Ambassador to the United States</li> <li>• <b>Kristin Skogen Lund</b>, Director General of the Confederation of Norwegian Enterprise</li> <li>• <b>Karin Olofsdotter</b>, Swedish Ambassador to the United States</li> <li>• <b>Katrine Joensen</b>, Consul General of Denmark</li> <li>• <b>Johan Bjorklund</b>, Ericsson (Finland)</li> </ul> <p>4:50 p.m. <b>CLOSING REMARKS</b></p> <ul style="list-style-type: none"> <li>• <b>Eric Nelson</b>, Director, Nordic Museum</li> </ul>

# MAY 4

TIME	PROGRAM
8:00 a.m.	<p><b>COFFEE AND REGISTRATION</b>  <i>WA State Department of Commerce, 2001 6<sup>th</sup> Avenue, 16<sup>th</sup> Floor, Seattle</i></p>
8:30 a.m.	<p><b>MORNING PROGRAM</b></p> <p><b>WA AND NORWEGIAN BLUE TECH CLUSTERS AND BUSINESS DEVELOPMENT</b>            We'll begin with a recap of yesterday's meetings and hear reactions and impressions from the group. Next, we'll hear brief presentations from Norwegian delegates and from Washington state businesses. We'll end with B2B meetings and continue the networking over lunch.</p> <p><b>REMARKS</b></p> <ul style="list-style-type: none"> <li>• <b>Norwegian Maritime Authority</b>, green shipping</li> </ul> <p><b>Moderators</b></p> <ul style="list-style-type: none"> <li>• <b>Charles Knutson</b>, Office of Governor Jay Inslee</li> <li>• <b>Jo Sletbak</b>, Consul General, Royal Norwegian Consulate General, San Francisco</li> </ul> <p><b>Presenters</b></p> <ul style="list-style-type: none"> <li>• <b>Maritime Clean Tech Cluster</b></li> <li>• <b>Blueday Technology</b>, electric ferry power generation and control systems</li> <li>• <b>Norwegian Electric System</b>, lithium ion based energy storage systems</li> <li>• <b>Westcon Power and Automation</b>, electric ferry power systems</li> <li>• <b>DNV GL</b>, Green Coastal Program and public-private partnerships</li> <li>• <b>Wärtsilä</b>, electric ferry wireless charging systems</li> <li>• <b>Corvus Energy</b>, lithium ion based energy storage systems</li> <li>• <b>Kongsberg Maritime</b>, electric and autonomous ships</li> </ul> <p><b>Q&amp;A</b></p>
10:30 a.m.	<p><b>B2B MEETINGS</b></p> <p><b>Moderator</b></p> <ul style="list-style-type: none"> <li>• <b>Joshua Berger</b>, Maritime Sector Lead, WA State Department of Commerce</li> </ul> <p><b>Invited Washington Businesses:</b>            Blue Cluster Businesses; Shipbuilders; Maritime Transportation; Marine Systems Supply Chain; System Data Analytics; Marine Engineering firms; Maritime Energy Storage; Automation and Robotics in Manufacturing; Commercial Fishing and Processing; marine (ocean) research technology firms including sea-gliders; sensors; UAV's and marine renewable energy.</p>
11:30 a.m.	Walk to lunch
12:00 p.m.	<b>NETWORKING LUNCH (TBD)</b>