



2016 SCIENCE TO POLICY SUMMIT

Climate Change: How vulnerable is the lower Columbia River? And what are we doing about it?

Friday, June 17, 2016

Vancouver Hilton, Vancouver, Washington

Agenda

- 9:00 **Welcome & Overview**
Debrah Marriott, Estuary Partnership
- The Charge: Why Focus on Climate Change?**
The Honorable Suzanne Bonamici, United States House of Representatives
- 9:30 **Panel: Emerging Climate Change Data for and Impacts on the Pacific Northwest**
- 9:35 **Cold Water Refugia Assessment**
Impacts of warming temperatures and changing precipitation patterns and the impact on cold-water species.
Catherine Corbett, Chief Scientist & Technical Programs Director, Estuary Partnership
- 10:00 **Ocean Acidification & Hypoxia**
Changes in ocean and nearshore water chemistry and the impacts on aquatic species.
Jan Newton, Senior Principal Oceanographer, University of Washington Applied Physics Laboratory
- 10:30 **Projected Changes in Regional Climate and Hydrology and Sea Level Rise**
Observed and projected changes in precipitation, temperature and hydrology, and risks of warmer seasons, temperature extremes, increased frequency of extreme events, more severe forest fires and increased flood risk.
Lara Whitely Binder, Senior Strategist, University of Washington Climate Impacts Group
- 11:00 **Climate Change Impacts in the Tribal Cultural Landscape**
Basis for consideration of the lower Columbia River and estuary as a Tribal Cultural Landscape and the potential impacts to this Landscape from climate change.
Michael Karnosh, Ceded Lands Program Manager, Confederated Tribes of the Grand Ronde
- 11:30 **We Have the Data & Science, It's Time to Act**
Climate change and rising sea levels are a fact; we need to update decision-making processes despite uncertainties to better protect habitat and other investments in the lower Columbia River.
Tony Grover, Fish & Wildlife Division Director, Northwest Power & Conservation Council
- 12:00 **Q & A – All Speakers**



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- 12:30 **Lunch**, *provided*
- 1:00 **Climate Change: *What is ahead for the United States?***
The Honorable Earl Blumenauer, United States House of Representatives
- 1:20 **EPA Climate Change Vulnerability Assessment**
Catherine Corbett & Amanda Hanson, Estuary Partnership
- 1:30 **Small Group Discussions: Climate Change Vulnerability Assessment**
Each small group review 1-3 CCMP actions
1. How do climate change stressors and impacts affect the ability to implement the Management Plan actions?
 2. Is there something more or different the Estuary Partnership can do to help address climate change impacts?
 3. What are the barriers and challenges to address climate change impacts?
- 2:30 **Reports from the Groups**
From each group: how the Estuary Partnership Management Plan actions can be adapted to integrate impacts of climate change.
- 3:00 **The Challenge: '*Where do we go from here?*'**
Dan Opalski, US EPA Region 10 Director, Office of Water and Watersheds
- 3:15 **Wrap Up and Next Steps**
Debrah Marriott, Estuary Partnership
- 3:20 **Adjourn**