

THE WASHINGTON SECTION OF THE AMERICAN WATER RESOURCE ASSOCIATION
IN COOPERATION WITH
BRITISH COLUMBIA BRANCH OF THE CANADIAN WATER RESOURCES ASSOCIATION:

2007 AWRA-WA Annual Conference: Transboundary Water Resources of Washington State And British Columbia

OCTOBER 4TH AND 5TH, 2007
MUSEUM OF HISTORY AND INDUSTRY
SEATTLE, WASHINGTON

THURSDAY, OCTOBER 4

*Registration starts at 7:30 AM
Conference Welcome and Keynote Address 8:15 AM
Day 1 Sessions end at 4:00 PM*

Keynote Speaker: Barry Penner, Ministry of Environment, British Columbia

Session 1 - Stormwater Management and Low Impact Development: What effects have technology improvements and increasingly stringent stormwater management requirements over the past 20 years had on the water quality of receiving waters? How will those resources be affected by burgeoning population growth and development in the future? And what lessons can Washington State and British Columbia learn from each other as they strive to minimize the impacts of stormwater runoff? In this session **Kim Stephens** P.Eng., Program Coordinator, Water Sustainability Action Plan for British Columbia, **Gary Minton**, PhD, Resource Planning Associates, and **Ed O'Brien**, Ecology Water Quality Program discuss and contrast approaches to stormwater management taken on both sides of the border.

Session 2 - Liquid Waste Management: Going with the Flow? It has been argued that improvements in basic sanitation, including the collection, processing and disposal of human sewage, has been one of civilization's most important advances in public health management. And yet, most of us possess scant knowledge of our existing sewage systems and the measures required to keep them functioning reliably. In this session, **Dwayne Kalynchuk**, Environmental Services General Manager, Capital Regional District, Victoria, BC, **Stan Hummel**, King County Design Manager for the Brightwater Treatment Plant, and **Albert van Roodselaar**, Ph.D., P.Eng., Division Manager, Utility Analysis and Environmental Management, Metro Vancouver will examine different perspectives and approaches to managing liquid waste in the Pacific Northwest, with emphasis on effects on the receiving water environment.

Session 3 - Climate Change: Can we effectively analyze, design and build water resources projects? Change is inevitable, as the saying goes, but until recently we have continued assuming that the "past predicts the future" without regard to the effects of global climate change on regional water resources, policy and infrastructure. Fortunately, evidence for human-induced changes in climate and climate-linked processes is now widely accepted by the public and those responsible for managing public infrastructure. What effects do global warming

and related processes have on this region's water resources, and how can we prevent or mitigate their harmful effects? **Kurt Unger**, Washington Department of Ecology, **Stewart Cohen**, Ph.D., Senior Researcher, Adaptation Impacts Research Division, Institute for Resources, Environment and Sustainability, Environment Canada, and **Philip Mote**, Ph.D, University of Washington Climate Impacts Group Research Scientist will discuss water resource policy, planning, and impacts in the context of ongoing and future climate change.

Session 4 - Case Studies I: Building on Session 3, this session presents a series of ongoing, high-profile case studies of how our evolving knowledge of changing design conditions, including climate change, is informing our water management decisions and actions. In this session **Neil Peters**, P.Eng, Inspector of Dykes, Ministry of the Environment, Province of British Columbia, **Paul Fleming**, Seattle Public Utilities, and **Stan Peterson**, Spokane County (retired) will examine three case studies that consider changing design conditions.

Evening Social Starts at 5:00 PM
Dinner (Downtown Seattle) 6:30 PM

FRIDAY, OCTOBER 5, 2007

Registration starts at 7:30 AM
Conference Welcome and Keynote Address 8:15 AM
Day 2 Sessions end at 3:00 PM
AWRA Section Meeting Starts 3:15 PM

Keynote Speaker: Jay Manning, Director, Washington Department of Ecology

Session 5 - Managing the Columbia River for the Mutual Benefit of the US and Canada: In recent decades, the diversion of water for agriculture and municipal water supply, and the construction and operation of water storage and hydroelectric dams have dramatically altered the hydrology of the Columbia River and its tributaries. These developments have contributed to the marked reduction of some salmon runs and extirpation of others. Various agreements have been struck between the U.S. and Canada to manage the Columbia system for the benefit of several ESA-listed species. Recently, Canada proposed altering operations at several British Columbia reservoirs to enable new summertime water uses and as "drought insurance" for interruptible water rights. In this session **Rachael Paschal Osborn**, Acting Executive Director of the Center for Environmental Law and Policy, **Derik Sandison**, Washington Department of Ecology, **Kindy Gosal**, Columbia Basin Trust Canada, and **Charles Hudson**, Columbia Inter-river Tribal Fish Commission discuss water management in the Columbia River basin in light of ESA constraints and recent reservoir storage and release proposals.

Session 6 - Case Studies II: How have ongoing trends in water availability and evolving water policy combined to affect water allocation, use and project design? Are we meeting our water supply and resource protection goals? In this session Sandra Brown, Ph.D., Adjunct Professor, Institute for Resources, Environment and Sustainability, University of British Columbia, Alan Hamlet, University of Washington, and Guy Gregory, Washington Department of Ecology will discuss case studies and projects that confront these issues.