



2007 Annual Conference

Hydro in Motion: New Directions in Compliance and Generation

February 20–22, 2007

Hilton Portland • Portland, Oregon

www.nwhydro.org

PRE-CONFERENCE WORKSHOP

TUESDAY, FEBRUARY 20, 1:00 p.m.–5:00 p.m.

Hatchery Mitigation Workshop

BROADWAY I/II

Key stakeholders come together to share their perspectives on the future of hatcheries as mitigation

Introduction: John Esler, Project Manager, Portland General Electric

PANEL 1: HOW HAS HATCHERY MITIGATION BEEN TREATED IN RECENT FERC LICENSES?

Moderator: Carey Feldmann, Fish Program Manager, Puget Sound Energy

Speakers:

Paul Abbott, Hatchery Biologist, Idaho Power Company
 Doug Cramer, Senior Fish Biologist, Portland General Electric
 Dave Pflug, Senior Fisheries Biologist, Seattle City Light
 Shaun Seaman, Director of Fish & Wildlife, Chelan County Public Utility District

PANEL 2: WHAT'S HAPPENING IN HATCHERY REFORM?

Moderator: Larry Cassidy, Council Member, Northwest Power and Conservation Council

Speakers:

Dave Fast, Lead Research Biologist, Cle Elum, Yakama Nation
 David Noakes, Senior Scientist, Oregon Hatchery Resource Center, Oregon State University
 Joe Peone, Director, Confederated Tribes of the Colville Reservation
 Jim Waldo, Attorney, Columbia River Hatchery Reform Project

PANEL 3: ARE HATCHERIES APPROPRIATE MITIGATION FOR HYDRO IMPACTS?

Moderator: Ed Bowles, Fish Division Administrator, Oregon Department of Fish & Wildlife

Speakers:

Jim Hastreiter, Office of Energy, Federal Energy Regulatory Commission
 Rob Jones, Chief, Hatchery and Inland Fisheries Branch, NOAA Fisheries
 Jim Martin, Berkley Conservation Institute, Conservation Director
 Brett Swift, Deputy Director, Northwest Regional Office, American Rivers

WEDNESDAY, FEBRUARY 21

7:30 a.m.

Northwest Hydroelectric Association

Annual Membership Meeting

PARLORS B/C

Continental Breakfast for Northwest Hydroelectric Association (NWhA) Members and Board of Directors meeting

9:00 a.m.–9:15 a.m.

Welcome: Suzanne C. Grassell, NWhA President

PAVILION BALLROOM

9:15 a.m.–10:00 a.m.

Keynote Address

PAVILION BALLROOM

Commissioner Philip D. Moeller, Federal Energy Regulatory Commission

Commissioner Moeller will speak to the northwest's most pertinent hydro issues before the FERC.

10:00 a.m.–11:45 a.m.

An Inside Look at Settlement Agreement Rehearings

PAVILION BALLROOM

Moderator: Gregg Carrington, Director of Hydro Services, Chelan County Public Utility District

Licensees and stakeholders whose settlements were modified by FERC share their experiences and perspectives.

Panelists:

Carey Feldmann, Fish Program Manager, Puget Sound Energy
Steve Fransen, Biologist, National Marine Fisheries Service
William C. Frymire, Senior Counsel, Office of Attorney General, Washington

Julie A. Keil, Director, Hydro Relicensing and Water Rights, Portland General Electric

Rebecca Sherman, N.W. Coordinator, Hydro Reform Coalition

11:45 a.m.–1:00 p.m.

Luncheon

SALON BALLROOM

Featured Speaker: Michael Bogert, Counselor to U. S. Secretary of the Interior Dirk Kempthorne

1:00 p.m.–3:00 p.m.

Compliance

PAVILION BALLROOM

Moderator: Diane Barr, License Implementation Project Manager, PacifiCorp

PART 1: PREPARING YOUR COMPLIANCE STAFF

How do you prepare your organization to meet evolving compliance requirements?

Panelists:

Scott Lechert, Senior Learning Development Analyst, PacifiCorp
Deborah Schallert, Project Manager, Land Use, Aesthetics and Cultural, Portland General Electric
Gail Thompson, PhD, Vice President, Historical Research Associates, Inc.

PART 2: RECREATION IMPLEMENTATION AND COMPLIANCE

What are some of the expectations for new licenses and how are licensees equipped to manage these requirements?

Panelists:

Bill Cochran, P.E., Supervising Engineer, California Department of Water Resources
Dave Moore, Lead Senior Environmental Analyst, PacifiCorp
Fred Noland, Recreation Planner, Idaho Power Company

3:00 p.m.–3:30 p.m.

Refreshment Break

BROADWAY I/II

3:30 p.m.–5:00 p.m.

On the Ground and in the Water: Technical Challenges and Solutions Associated with Implementation

PAVILION BALLROOM

Moderators: Heidi Wahto, Consultant, Hatch Energy
Lisa Wieland Larson, P.E., Principal, Northwest Hydraulic Consultants

Panelists present technical solutions to current fish passage, habitat, and wildlife project challenges.

Northwest Hydroelectric Association would like to recognize the following sponsor companies. We thank you for your support!



Panelists:

Thomas J. Dresser, Jr., Fish, Wildlife, and Water Quality Manager, Grant County Public Utility District
Carey Feldmann, Fish Program Manager, Puget Sound Energy
Ginger G. Gillin, Project Manager-Thompson Falls Project, Montana, GEI Consultants, Inc.
Gary Holmstead, Habitat Biologist, Idaho Power Company, C.J. Strike Project, Idaho
Colleen McShane, Terrestrial Ecologist, EDAW–North Umpqua Project, Oregon

5:00 p.m.–6:30 p.m.

Social/Exhibits

BROADWAY I/II

THURSDAY, FEBRUARY 22

8:15 a.m.–8:30 a.m.

Opening Remarks

PAVILION BALLROOM

8:30 a.m.–10:00 a.m.

Trial-Type Hearings under EPAct 2005: How did the first flurry of cases turn out?

PAVILION BALLROOM

Moderator: Craig Gannett, Partner, Davis, Wright & Tremaine LLP

Panelists examine the outcomes of the first trial-type hearings to assess their ability to eliminate unnecessary mitigation measures and create an incentive for reasonable settlements.

Panelists:

Bruce Howard, Spokane River License Manager, Avista Corporation
Michael A. Swiger, Partner, Van Ness Feldman, P.C.
James B. Vasile, Partner, Davis, Wright & Tremaine LLP

10:00 a.m.–10:30 a.m.

Refreshment Break

BROADWAY I/II

10:30 a.m.–Noon

A Look Ahead for Hydro in the Northwest

PAVILION BALLROOM

Moderator: Wayne M. Dyok, P.E., Vice President; Manager, Regulatory and Environment, MWH Americas, Inc.

A broad range of hydro interests examine the future of hydro in terms of key licensing, legislative, and development issues.

Panelists:

Rick Dieker, Secretary – Manager, Yakima-Tieton Irrigation District
Jeffrey A. Leahey, Manager of Regulatory Affairs, National Hydropower Association
Trey Taylor, Co-founder and President, Verdant Power LLC

Noon–12:30 p.m.

Introduction to NWA’s New Website

SALON BALLROOM

Presented by: Northwest Hydroelectric Association staff and consultant, Eureka Software

Speakers: Chuck Everett, NWA Website Chair; Jan Lee, Executive Director, NWA; Li Ochs, Vice President, Eureka Software, Inc.

12:30 p.m.–1:30 p.m.

Luncheon Address: The Future of Hydro

SALON BALLROOM

Speakers: Linda Church Ciocci, Executive Director, National Hydropower Association; Roger Ballentine, President, Green Energy Strategies

NWA representatives discuss the future of hydropower and solicit feedback from the Northwest.

1:40 p.m.–3:10 p.m.

Harnessing New Technologies

PAVILION BALLROOM

Moderator: Bruce Meaker, Senior Manager, Regulatory Affairs, Snohomish County Public Utility District

Panelists examine how new hydro technologies work and discuss challenges involved with their development and implementation.

Panelists:

Peter Hogan, Wave Technology, Oregon Energy Program, Oregon State University
Peter D. Mostow, Partner, Permitting and Development of New Projects, Stoel Rives LLP
Craig Collar, Sr. Manager, Energy Resource Development, Snohomish County Public Utility District
Trey Taylor, Co-founder and President, Verdant Power LLC

3:10 p.m.–3:30 p.m.

Refreshment Break

BROADWAY I/II

3:30 p.m.–5:00 p.m.

Four Views of Compliance: Evolving Water Quality Issues in California, Idaho, Oregon, and Washington

PAVILION BALLROOM

Moderator: Jerry R. Fish, Attorney, Stoel Rives LLP

Representatives from each state share “hot” water quality issues for their respective state’s hydro operators.

Panelists:

Kurt Burkholder, Assistant Attorney General, Oregon Department of Justice (Oregon)
Bruce Howard, Spokane River License Manager, Avista Corporation (Washington)
Ralph Myers, Water Quality Program Supervisor, Idaho Power Company (Idaho)
Craig Wilson, Attorney, Stoel Rives LLP (California)

Hydro Showcase!

ACCUSONIC TECHNOLOGIES #115



Accusonic Technologies has provided expertise in the design and implementation of high-accuracy ultrasonic flow measurement systems for more than 35 years. Today more than 2,500 Accusonic flowmeters are providing continuous flow data at sites worldwide. Our systems also include online Turbine Efficiency Monitoring Systems and Penstock Leak Detection Systems.

ASL -AQFLOW #104



AQFlow specializes in flow measurements at low head, short intake hydro plants. The ASFM (Acoustic Scintillation Flow Meter) product line includes the ASFM Advantage – a highly accurate portable system used for index testing and plant optimization; and the ASFM Monitor – a permanent system for continuous monitoring of flow conditions.

BARNARD CONSTRUCTION COMPANY, INC. #101



Barnard Construction Company, Inc. has 31 years of experience in heavy-civil construction throughout the United States. Our expertise includes dam construction and rehabilitation, roller-compacted concrete, water transmission pipelines, pipeline rehabilitation, tunnel construction, environmental restoration, dike repair, and slurry wall construction.

EUREKA SOFTWARE #107



Eureka Software is a versatile multimedia communications company that specializes in web site technologies, document management and publishing systems (CD, DVD, and internet), hydro compliance software, and print and publication graphic design for the hydroelectric industry. Eureka has also developed databases and touch screen kiosks to support the industry.

GEI CONSULTANTS, INC #109



GEI Consultants, Inc. offers customized solutions for FERC compliance. We specialize in remote sensing, decision support, and database management systems to provide quality data at a reasonable cost. Real-time Internet-based fish tracking is a GEI-Lotek innovation. For examples of other GEI innovations in meteorological and water quality monitoring, position sensing, flow monitoring, early warning, alert, and alarm systems, please visit our Web site: www.geiconsultants.com or call John Pizzimenti: 503-697-1478.

HCI PUBLICATIONS #102



HCI Publications, the world's leading provider of hydro information resources, is featuring its innovative new on-line news service, www.HydroNews.net, as well as the upcoming Waterpower XV Conference.

INTERNATIONAL WATER SCREENS #112



International Water Screens employees have over 30 years of screening experience. We custom design mild or stainless steel framed screens, with stainless steel mesh belting, to be installed in canals and waterways for removal of all types of debris. If there is debris in your water, we can remove it.

KWH Pipe #111



For some 50 years KWH Pipe has been a leader in the design, development, manufacture and engineering support of polyethylene piping systems. Our capabilities in large diameter High Density Polyethylene (HDPE) Weholite Pipe and solid wall HDPE Sclairpipe and fittings have made the company distinctive in the world of plastic pipe. There are many applications for HDPE including penstocks for the purpose of conveying water for hydroelectric projects.

KLOHN CRIPPEN BERGER LTD. #119



Klohn Crippen Berger is an international engineering and environmental consulting firm. We offer value-added solutions to our industry and government clients in the following sectors: mining environmental, oil sands tailings, oil and gas, hydropower, transportation and water resources. Visit www.klohn.com for information on our projects and services.

NAES POWER CONTRACTORS #117



NAES Power Contractors is a full service company providing a wide array of services to the power generation and delivery industry. NAES Power Contractors provides services on turbine/generators and power generation equipment associated with hydroelectric facilities and has extensive experience in hydroelectric projects, including annual maintenance, penstocks, hydraulic valves, draft tubes, wicket gates, turbine disassembly, rebuild and reassembly, retrofit installation, alignment and commissioning, and electrical services.

NORTHWEST HYDRAULIC CONSULTANTS #110



Northwest Hydraulic Consultants is an international firm of consulting engineers and scientists providing professional services for the development, management, and protection of water resources. The firm's areas of expertise include hydraulic design, fisheries engineering, river engineering, hydrology, sedimentation, watershed restoration, physical modeling, and numerical modeling.

NORTHWEST PIPE COMPANY #116



Northwest Pipe Company is a leading manufacturer of welded steel pipe. In our water transmission business segment, the company is the leading supplier of large diameter, high pressure steel pipe products used for water transmission and hydroelectric penstocks in the United States and Canada. Headquartered in Portland Oregon, Northwest Pipe operates manufacturing plants throughout the United States and Mexico.

POWEL INC. #108



Powel is a software and services supplier with broad experience and expertise across the value chain of utility operations. Powel clients include utilities, municipal governments, and large energy users in both regulated and competitive electricity markets worldwide. Powel software modules support transmission and distribution management, trade and risk management, customer management, geographic information systems (GIS), and generation and water management, including optimization for hydrological operations, maintenance, water quality monitoring/modeling, power systems, planning/protection, PMP/PMF analysis, and reservoir operations analysis.

STOEL RIVES LLP #114



Stoel Rives LLP is a regional law firm serving clients throughout the western United States. The firm's Hydropower Team has represented power suppliers in licensing more than 50 hydroelectric plants containing more than 85 operating units in Washington, California, Oregon, Idaho, Montana and Utah.

WILLIAMS FORM ENGINEERING CORPORATION #106



Williams Form Engineering Corporation has been providing threaded steel bars and accessories for rock anchors, soil anchors, high capacity concrete anchors, micro piles, tie rods, tie backs, self drilling anchors, post tensioning systems, and concrete forming hardware systems for the civil construction market for over 80 years.

For more information about NWA, go to www.nwhydro.org.