

HOW TO REGISTER

Registration Forms can be downloaded from the PACWEST website: www.pacwestcon.net

Please forward completed form together with your payment to:

PACWEST CONFERENCE
938 Belvedere Drive
North Vancouver, BC V7R 2C1

ACCOMMODATION

Please complete the Accommodation Section on the PACWEST registration form

CANCELLATION POLICY

Each course is based on a minimum attendance. In the event that this minimum is not reached, PACWEST and BC Hydro reserve the right to cancel, postpone or amend the course accordingly. In the event that PACWEST or BC Hydro should cancel the course, all registration fees would be refunded. PACWEST and BC Hydro's liability is limited solely to the refund of the registration fee.

ADDITIONAL INFORMATION

For further information on the Course, please contact:
Nicholas Dalziel at nick.dalziel@bchydro.com

For further information on registration and accommodation please contact:
Mary Barnes at 604-988-9829 barnesmm@shaw.ca

BC Hydro 
powersmart

is pleased to sponsor a one-day
Short Course in association with the
PACWEST Conference



FAIRMONT JASPER PARK LODGE
JUNE 18-21 2008

PUMP SYSTEMS ASSESSMENT

WEDNESDAY JUNE 18, 2008

BC Hydro 
powersmart

This practical one-day workshop will show you where to look for energy-saving opportunities for your pump system - and how to recognize and assess them.

WHAT YOU WILL LEARN

This workshop begins with an overview of opportunities for energy savings in pump systems. From there the focus will be on practical discussions on how to perform an assessment of the pump systems at your plant: which system measurements you need, how to get them, and how to apply these values to evaluate system performance and assess the opportunity. Case studies will enhance the learning experience.

Worked into the course content is an introduction to the Pumping System Assessment Tool (PSAT). Developed for the U.S. Department of Energy, PSAT calculates the energy and cost savings you can recover from pump system optimization. After quickly assessing existing pump and motor efficiency, PSAT calculates final results based on algorithms from Hydraulic Institute standards and motor performance characteristics from the MotorMaster database.

A G E N D A

8:30am to 12:00pm

- Opportunities for Energy Efficiency in the Pulp and Paper Industry
- Motor system asset management
- Fluid systems
- Pump performance characteristics
- Motor performance
- ASD performance
- Developing a system performance curve based on field measurements
- Calculating system and pump heads
- Evaluating pump condition from fluid measurement

12:00pm to 1:00pm - LUNCH

1:00pm to 4:30pm

- Informal discussion may cover topics such as:
 - * Available and required pump net positive suction head
 - * The effects of scale build up in piping systems
- Case studies
- Program overview of BC Hydro's Pump Systems Initiative

COURSE INSTRUCTOR

Mr. Don Casada, a consulting engineer with Diagnostic Solutions, LLC, is a PSAT Qualified Instructor. He is the author of DOE's PSAT tool and developer of the associated training curriculum and Qualified Specialist program. He is a Professional Engineer in the State of North Carolina, and a member of the American Society of Mechanical Engineers and the American Water Works Association. Mr. Casada holds six patents involving valves and rotating machinery diagnostics.

WHO SHOULD ATTEND

- Pulp and paper employees and contractors:
 - Engineers
 - Operators
 - Technicians
 - Etc.

COURSE COST

\$300 PACWEST registered delegates
\$370 Non-delegates