

**Small-scale hydroelectric generation in Oregon**  
**A workshop organized by the NW Hydroelectric Association,**  
**The Energy Trust of Oregon and the Oregon Department of Energy**  
**Bend, OR, Wednesday, May 16, 2007**

**When:** Wednesday, May 16, 2007  
**Where:** Shilo Inn Suites Hotel, 3105 O.B. Riley Road  
 Bend, Oregon 97701. Phone 541-389-9600

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This workshop will focus on the development of new small-scale hydroelectric generation (ranging from a few kW to several MW in size) to help meet the Governor's goal of generating 25 percent of total electricity sales by renewable energy resources in 2025. Main areas of discussions will include:

- selection of a viable site (flow characteristics, environment, power sales, utility interconnection);
- hydro permit basics (current rules and proposed legislation);
- insight from hydro facility operators; and
- Oregon's renewable energy objectives and incentive programs

Opportunities for new development include (1) "seasonal" hydro in association with numerous irrigation pipe and canal systems, (2) run-of-the-river technology, and (3) new hydroelectric facilities on existing dams, reservoirs, and municipal water systems (with often minimal environmental consequences as the majority of the environmental implications are already in place at the time of original dam construction).

During the morning session, various stakeholders will present their perspective and activities related to the development of hydro. In the afternoon, we have reserved the time to identify the major barriers of hydroelectric development in the state, set priorities as to further actions, and discuss the formation of an Oregon Hydro Working Group with the goal to coordinate the promotion of responsible development of hydroelectric generation.

**\*\*\*\*\*AGENDA\*\*\*\*\***

- 09:00 Welcome/Introductions – Jan Lee, NW Hydroelectric Association, and Carel DeWinkel, Oregon Department of Energy (ODOE)
- 09:15 Small-scale Hydroelectric generation (discussion of basic site analysis, sizes, off-grid vs. grid-connected, netmetering, QFs) –Tom McCreedy from Boise, ID
- 10:00 An overview on how various state agencies work together to facilitate hydroelectric development – Mary Grainey, Oregon Water Resources Department
- 10:30 Break
- 10:45 Interconnecting and selling power to your utility (rates, contracts, interconnection procedures) – PacifiCorp (speaker TBD) and Central Electric Coop (Doug Ertner)
- 11:15 Financial incentives from the State and Energy Trust of Oregon – Kip Pheil, ODOE, and Betsy Kauffman, Energy Trust of Oregon
- 11:45 **Lunch** (with an update of the Renewable Portfolio Standard status in the Oregon Legislature and a discussion of the hydro related actions in Oregon's Renewable Energy Action Plan – Carel DeWinkel and Kip Pheil, ODOE)

*Afternoon session*

- 01:00 NW Hydroelectric Association's (NWAHA) perspective and an update on state legislative hydro activities – Jan Lee, NWAHA
- 01:15 Central Oregon Irrigation District's perspective – Bob Beal and Steve Johnson
- 01:30 Known environmental impacts of small-hydro development – Rebecca Sherman, Hydropower Reform Coalition
- 01:45 Hydro in the City – Stephen Anderson, Principal, Evergreen Energy
- 02:00 Issues and barriers for further development.
- 03:00 Break
- 03:15 Discussion on the formation of an Oregon Hydroelectric Working Group (OHWG) and planning for further actions
- 04:00 Adjournment

*04:00-05:30 Optional tour of Central Oregon Irrigation District's 6 MW run-of-the-river site*

**Register and Pay registration fee **not later than**  
Wednesday, May 9, please**

Questions? - please contact [jenifer.wetherbee@state.or.us](mailto:jenifer.wetherbee@state.or.us)

Registration information, see next page

**REGISTRATION FORM**  
**Small-Scale Hydro Workshop, in Bend, May 16, 2007**  
**Registration Deadline Wednesday, May 9, 2007**

*Please Print*

[Click here for the registration form in Microsoft Word format](#)

First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_

Organization: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ E-mail: \_\_\_\_\_

**Please indicate whether or not you are going to tour Central Oregon Irrigation Districts 6 MW run of the river hydro site.  YES  NO**

**REGISTRATION FEE AND PAYMENT OPTIONS:**

**Registration Fee:** \$25.00 (The registration fee covers costs for the workshop as well as lunch and refreshments.)

Boxed lunch includes: Your choice of sandwich, potato chips, whole fruit and a soda.

Roast Beef  Ham  Turkey  Vegetarian

**Payment Options:** Credit Card: Visa, MasterCard, or Discover (provide information below); personal or company checks payable to *Oregon Department of Energy*.

**Please pay in advance no later than May 9, 2007.** No cash in mail please.

**Refund/Cancellation Policy:** No refunds

**CREDIT CARD INFORMATION**

*Please complete if paying by credit card*

Visa  MasterCard  Discover

Credit Card Number: \_\_\_\_\_ Exp. Date: \_\_\_\_\_

Card Billing Name: \_\_\_\_\_

Card Billing Address: \_\_\_\_\_

Card Billing City: \_\_\_\_\_ Card Billing State: \_\_\_\_\_ Card Billing Zip: \_\_\_\_\_

By you filling out the above information you are authorizing the Oregon Department of Energy to charge \$25.00 to the credit card number that you provided.

**For Registration, please Fax, Mail or E-mail to:**

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