



U.S. DEPARTMENT OF ENERGY

## Northwest Clean Energy Application Center

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*Promoting CHP, District Energy, and Waste Heat Recovery*

Alaska • Idaho • Montana • Oregon • Washington

### **NORTHWEST CLEAN ENERGY STATE PARTNERSHIP FOREST BIOMASS CHP WORKSHOP**

**Date/time: Monday, January 10 1:30 – 5 p.m.**

**Location: Sheraton Seattle Hotel – 1400 Sixth Avenue – Seattle, WA**

**Venue: Admiral Conference Room**

**Call-in number: (360) 956-2226**

**Host: Northwest Clean Energy Application Center**

**Attendees: Devany Plentovich (AK); Jay O’Laughlin (ID); Howard Haines and Kathi Montgomery by phone (MT); Matt Krumenauer (OR); Dave Sjoding, Jim Jensen, Peter Moulton, Gail Sandlin and Rachael Jamison (WA); and Marcia Patton-Mallory and Ron Saranich (USFS)**

**Dress: Casual**

**Context: Each northwest state is has been pushing forward on forest biomass uses and CHP with varying levels of systems on-line in recent years or under development. A range of challenges have occurred with solutions and lessons learned.**

**Presentation materials: Talking points as handouts are preferred – We can be more interactive/prone to comment and ask questions.**

**Workshop host: David Sjoding, Center Manager**

### **AGENDA**

**1:30 – 1:35: Introductions – All**

**1:35 – 1:55: Montana – Brian Spangler, MT DEQ**  
**1) Wood supply study for Western MT**  
**2) Selection of 7 Sawmills**  
**3) Whole mill energy audits – BPA and utility funding**  
**4) USDA Rural Development & Project funding**  
**5) Lessons learned**

**1:55 – 2:15 Alaska – Devany Plentovich, AEA**

- 1) AK Law – 50% Energy Independence goal
- 2) Renewable Energy Atlas and biomass
- 3) AK Energy models: Engineering options community by community
- 4) Renewable Energy Fund and biomass (\$250 M)
- 5) Tok & Boiler in a Box
- 6) Lessons Learned

**2:15 – 2:35**

**Oregon – Matt Krumenauer, ODOE**

- 1) BETC - Changes and its future
- 2) OR BCAP – Changes and its future
- 3) Upcoming biomass inventory
- 4) Biomass Transition Team Priorities
- 5) Oregon Eastside Forests Restoration, Old Growth Protection and Jobs Act – Federal Proposed legislation
- 6) Oregon Mill Power Project
- 7) Lessons Learned

**2:35 – 3:00**

**Washington – Dave Sjoding, NWCEAC; Peter Moulton, WA Dept of Commerce; Rachael Jamison, WA DNR**

- 1) Stimulus Funds (ARRA) and state funds – Peter
- 2) 255 MW CHP (an apogee figure) wood waste/hog fuel under development – Do we have enough? - Dave
- 3) DNR supply study – Rachael
- 4) Biomass inventory update - Dave
- 5) State policies: Agriculture, Natural Resources, Commerce, & Ecology
  - Biomass definitions – Peter
  - Green jobs & don't interfere with existing biomass facilities – Dave and Rachael
  - “The state family” – Learning to sing in harmony – All WA attendees
- 6) R&D to commercialization – Dave
- 7) Lesson learned – All WA attendees

**3:00 – 3:15**

**Break**

**3:15 – 3:35**

**Idaho – Jay O’Laughlin, University of Idaho**

- 1) ID Strategic Energy Alliance, Forestry/Biomass Task Force Report

- 2) Renewable energy enterprise zones
- 3) Sandpoint, ID – Power generation & free heat for economic development
- 4) Lessons learned

**3:35 – 4:00**  
**– All**

**Air quality emissions – Issues, concerns & approaches**

- 1) Olympia Regional Clean air Authority study – Comparing 15 biomass fates/use pathways and emissions calculator tool – Dave Sjoding on behalf of Mark Gooding with Gail Sandlin, WA Dept of Ecology
- 2) Nippon Paper – An example of doing things right
- 2) State responses – All

**4:00 – 4:20**  
**All**

**Standalone biopower of CHP – State perspectives –**

**4:20 – 4:40**

**Pine beetle study – Marcia Patton-Mallory, USFS**

**4:40 – 5:00**  
**follow-up - All**

**Concluding comments, state to state networking and**