

EPA/WESTAR Residential Wood Smoke Workshop

March 1-3, 2011
Radisson Downtown
Salt Lake City, Utah

Meeting Objective/Outcome: This workshop is intended for federal, state, local and tribal air quality agency staff and non-profit organizations with responsibility for regulatory programs and outreach activities associated with residential biomass use. The purpose of the workshop is to share information and lessons learned about: the Wood Heater NSPS; state, local and tribal regulatory programs; wood smoke SIP development; education and outreach activities; programs for changing out/retrofitting to cleaner appliances and funding options.

Tuesday, March 1

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| <u>1:00-1:10 PM</u> | Welcome and Introductions |
| <u>1:10-2:00 PM</u> | Health Effects of Particulate Matter (Dr. Arden Pope, Brigham Young University (invited)) |
| <u>2:00- 2:30 PM</u> | PM NAAQS Revision (EPA) <ul style="list-style-type: none">• Overview of Final Policy Assessment |
| <u>2:30-2:45 PM</u> | Break |
| <u>2:45-3:45 PM</u> | Residential Wood Heater NSPS (Gil Wood, EPA) <ul style="list-style-type: none">• Overview of Expected Revisions to the Wood Heater NSPS• Open discussion, questions and comments from States/Locals/Tribes |
| <u>3:45-5:00 PM</u> | Wood Smoke SIP Development Process and Implementation (Aleta Kennard, Sacramento AQMD, Kathi Hooper, Libby, MT (invited), EPA Regional Office Representative) <ul style="list-style-type: none">• Communications and Engaging Stakeholders• Experiences in SIP Approval, Implementation and Enforcement |

Wednesday, March 2

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| <u>8:30 - 10:15 AM</u> | <u>Wood Stoves:</u> Experiences and Lessons Learned in State, Local and Tribal Regulatory and Enforcement Programs, Incentive Programs, Education and Outreach (Rachel Sakata, OR DEQ, Christy DeHaven, Fairbanks, Amy Warren, Puget Sound Clean Air Agency, Tribal representative, Kathi Hooper, Libby, MT (invited)) <ul style="list-style-type: none">• Curtailment Programs/Burn Bans• Opacity and Visibility• Responding to Complaints• Old Stove Removal Upon Home Sale, Banning Old Stoves• Changeouts, including Indoor Air Quality, Funding Opportunities |
| <u>10:15-10:30 AM</u> | Break |

- 10:30-11:30 AM Fireplaces: Experiences and Lessons Learned in State, Local and Tribal Regulatory and Enforcement Programs, Incentive Programs, Education and Outreach (Aleta Kennard, Sacramento AQMD, Tom Braverman, EPA, San Francisco Bay Area AQMD (invited))
- Regulatory and Voluntary Programs
 - Retrofit Options and Technologies
 - Retrofit Incentive Programs
 - Effective Techniques to Educate the Wood Burner
- 11:30-1:00 PM Lunch (on your own)
- 1:00-2:30 PM Hydronic Heaters (Outdoor Wood Boilers): Experiences and Lessons Learned in Regulatory and Enforcement Programs, Incentive Programs, Education and Outreach (Melanie Loyzim, Maine DEQ (invited), John Seltz, Minnesota Pollution Control Agency (invited), EPA)
- Magnitude of Problem
 - Control Technology
 - State and Local Regulations
 - Responding to Complaints
 - EPA's Voluntary Program
 - Retrofit Options
- 2:30-2:45 PM Break
- 2:45-3:45 PM Outreach: Reducing Emissions through Consumer Education (Larry Brockman, EPA, Amy Warren, Puget Sound Clean Air Agency, other speakers tba)
- Experiences and Strategies in Reaching Out to the Wood Burning Public
 - Effective Techniques and Messages
 - EPA's Burn Wise Program
 - Means for Improving Indoor Air Quality
- 3:45 -4:45 PM Wood Moisture Demonstration and Discussion: Understanding Wood Moisture, Hands on Demonstration Larry Brockman, EPA, Amy Warren, Puget Sound Clean Air Agency)
- Why Wood Moisture is Critical to a Good Combustion
 - Hands on Demonstration - How to Test Wood Moisture Using a Wood Moisture Meter
- 4:45 – 5:00 PM Workshop Evaluation, Next Steps and Wrap-up, Adjourn

Thursday, March 3

- 8:00 AM – 8:30 AM Overview of the Hearth Industry & EXPO Indoor and Outdoor Burn Area
- 8:30 – 11:00 AM Tour Outdoor EXPO Floor: Walk the outdoor “burn area” to see various technologies and learn how they work, including:

- EPA-Certified Wood Stoves
- Coal, Corn and Pellet Stoves
- Outdoor-wood Fired Hydronic Heaters
- Gas, Vented and Unvented Stoves, Gas Logs
- New Fireplace Retrofit Technologies

11:00 – 12 noon Regroup to Discuss and Answer Questions Related to Tour

Note: If you have flexibility in your schedule you may want to consider taking time on Thursday afternoon and/or Friday to visit the EXPO's indoor area. The indoor area is much larger than the outdoor burn area and you will have a chance to learn more about various hearth technologies. Your EXPO pass, which you will receive on Wednesday afternoon, will allow you access to the EXPO indoor floor and outdoor burn area from Thursday, March 3, through Saturday, March 5.