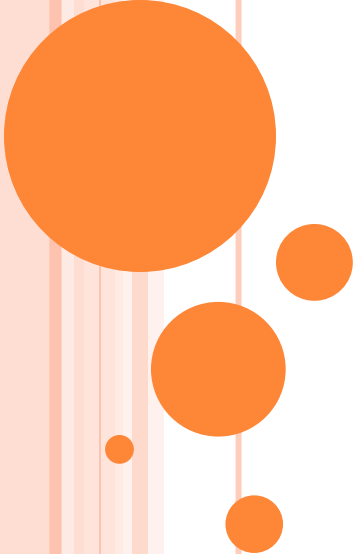




BIOMASS BOILER TEMPORARY RULES

Environmental Quality Commission Meeting

June 17, 2011

Agenda Item J

BACKGROUND

○ Issue:

- Existing Heat Smart rules cause unintended problems for small biomass boilers
 - Overlap between requirements for commercial biomass boilers
 - Currently prohibited under existing Heat Smart rules

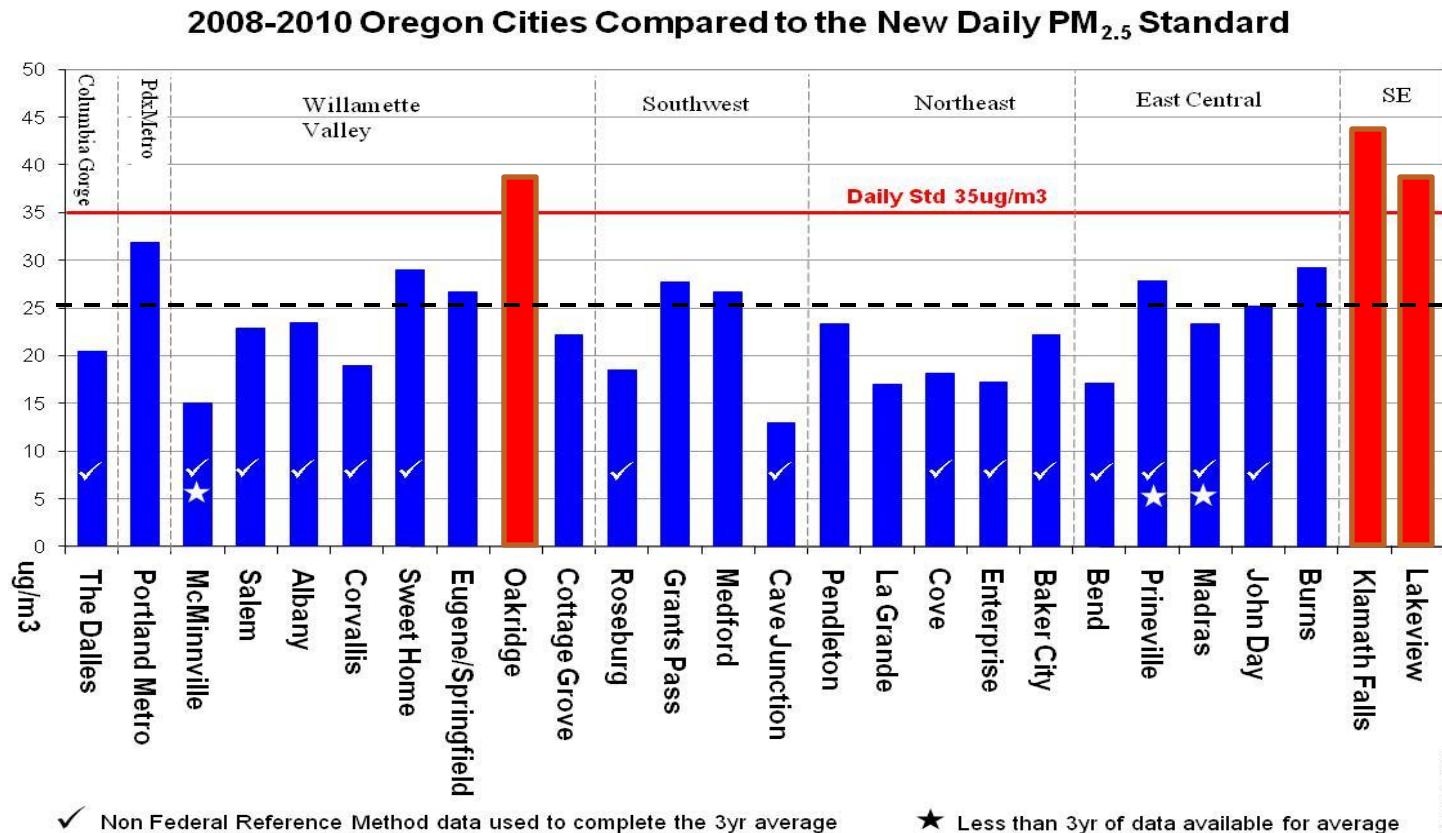
○ Solution:

- Creates pathways for small (under 1 MMBtu/hr) commercial, industrial, and institutional biomass boilers to be sold in the state



BACKGROUND

- Heat Smart rules adopted February 17, 2011
 - Addresses particulate matter issues in Oregon from residential and small commercial wood smoke



BACKGROUND

- Heat Smart rules establishes emission standards for a broader range of residential and commercial wood-heating devices, including:
 - “EPA-exempt” stoves
 - Outdoor wood boilers (hydronic heaters)
- Devices must meet the federal New Source Performance Standard for woodstoves to be sold in Oregon



Outdoor Wood Boiler



BIOMASS BOILERS - WHAT REQUIREMENTS APPLY?

Boiler Size

Under 1
MMBtu/hr

Heat Smart rule boilers

- must be certified in order to be sold and installed in Oregon

Under 10
MMBtu/hr

Area source rule boilers

- required to register with DEQ upon notification
- subject to federal requirements for biennial tune-ups
 - must meet existing state particulate and opacity standards

Over 10
MMBtu/hr

Boiler MACT

- currently required to obtain DEQ permit
- must meet emissions limits

Boilers EXEMPT from Heat Smart certification:

- If subject to federal area source boiler requirements
- Must register and meet other requirements



BIOMASS BOILER REGISTRATION REQUIREMENTS

- Subject to one-time web-based registration with DEQ
- No fee is charged
- Registrant confirms compliance on-line
 - Particulate standard
 - Opacity standard
 - Biennial tune up requirements
- Any changes or updates to information can be done through maintaining registration on-line



STAKEHOLDER OUTREACH



- Met with key stakeholders on June 3, 2011
 - Discussed temporary rules

- Made additional clarifications to rules based on discussion (Revised Attachment A)
 - Revised registration deadline
 - Simplified information required at registration
 - Requires only one-time registration unless changes are made to existing boilers



SUMMARY

- Creates pathways for small (under 1 MMBtu/hr) commercial, industrial, and institutional biomass boilers to be sold in the state
 - Currently prohibited under existing Heat Smart rules
- Creates a registration process for medium size boilers (1MMBtu/hr – 10,000 MMBtu/hr) subject to federal air toxics rules
- Ensures all these biomass boilers meet existing state and federal air quality rules



NEXT STEPS

- File temporary rules with Secretary of State
- Begin permanent rulemaking process
 - Public comment period
 - Meetings with stakeholders
- Present permanent rules to EQC in December 2011

