

Woodstoves - Oregon's Heat Smart Program & EPA's NSPS Woodstove Rules

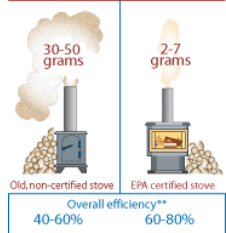
PM Coordinators Meeting
July 29, 2010



Heat Smart Requirements - History

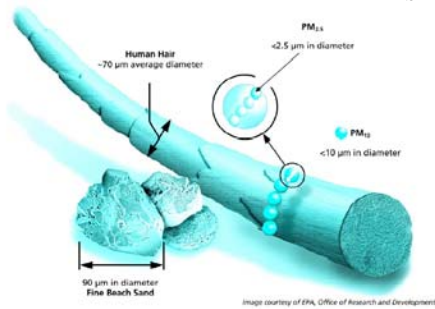
- Senate Bill 102
 - Passed by 2009 Oregon Legislature
 - Protect human health from uncontrolled wood smoke

Particulate* emissions in one hour:



*Fine particles <2.5 microns
** Combustion and heat transfer efficiency

Size of Fine Particulate (PM_{2.5})



Heat Smart Program- Main Components

- Requires removal of old, uncertified stove upon home sale
- Allows the Oregon Environmental Quality Commission to set emission standards for woodstoves
- Closes loopholes regarding exempt stoves
- Prohibits indoor burning of trash and other prohibited materials



Heat Smart Uncertified Stove Home Sale Requirements

- Removal of old, uncertified stove upon home sale
- Uncertified stove must be destroyed
- Homeowner retain copy of “disposal” receipt for records
- Will need to notify DEQ of removal and destruction
- Preempts existing county and city removal and notification requirements



Heat Smart Program- Closing Loopholes

- Requires a broader range of home wood-heating devices to meet EPA's certification emission standards
- Could include "EPA-exempt" stoves, outdoor wood boilers



EPA Exempt Stove



Heat Smart Program - Prevent Indoor Burning of Prohibited Materials



Heat Smart Rules - Next Steps

- August 1, 2010 - Uncertified stove removal requirements go into effect
 - DEQ still needs to propose and adopt rules to implement the program
- Mid-August – September 2010 – DEQ proposes rules
- December 2010 – Rules to EQC for consideration



The screenshot shows a web browser window displaying the Oregon Department of Environmental Quality website. The page is titled "Air Quality" and "Woodstove Program". A prominent announcement reads: "Oregon's Heat Smart Program - Required Removal of Uncertified Woodstove Upon Home Sale". A yellow sticky note graphic says "Awwright!". The text states: "IMPORTANT: Beginning August 1, 2010, if you are selling a home with an uncertified woodstove, you will be device from the home." Below this, it explains that the 2009 Oregon Legislature signed Senate Bill 102 into law requiring the removal of any uncertified woodstove from a home. A sidebar on the left lists various topics like "Burning and Smoke Management", "Buying/Selling Woodstoves", and "Heatsmart". The bottom of the page mentions that DEQ will develop a proposed "heat smart" rule to be considered by the EQC, with a plan to seek public comment in August 2010 and to take its final proposed rule to the EQC for consideration in December 2010.

Information about Heat Smart Program

<http://www.deq.state.or.us/aq/burning/woodstoves/heatSmart.htm>

- Includes
 - Fact sheet
 - Notification forms (electronic submission and paper copy submission)
 - Rulemaking information

EPA's NSPS Woodstove Rules

- EPA is planning to update the woodstove certification standards
- Could include a broader range of devices subject to emission standards
 - Pellet stoves
 - Cookstoves
 - Outdoor wood boilers
 - Fireplaces
 - Masonry heaters

EPA's NSPS Woodstove Rules

- EPA is expected to lower the woodstove certification standard in two phases:
 - Phase I (upon rule adoption): All stoves meet WA's current emission limits
 - 4.5 g/hr for non-catalytic stoves
 - 2.5 g/hr for catalytic stoves
 - Phase II (possibly 2-5 years after rule adoption): Even lower emission limits - undetermined

EPA's Woodstove Rules - Timeframe

- June 2011 – Rule proposal
- June 2012 – Rule adoption