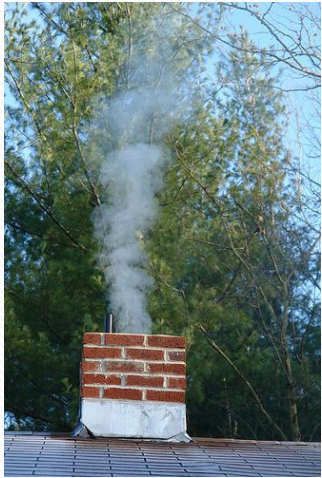
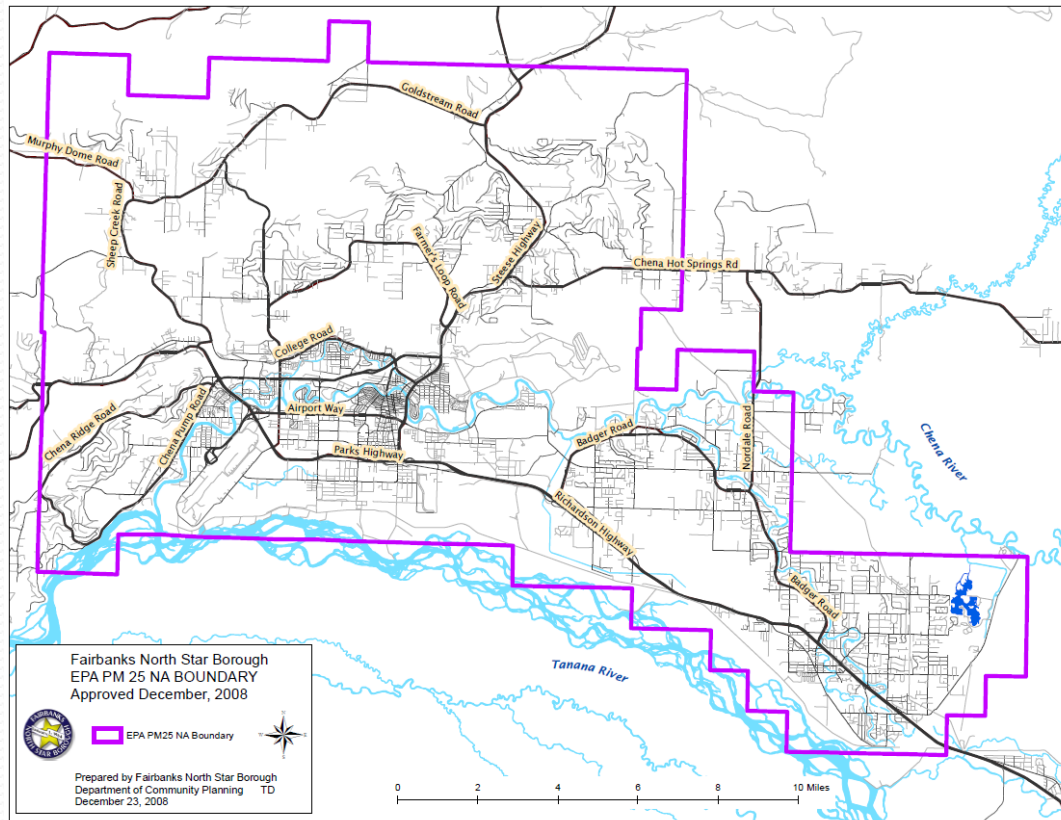


HB 323: Grants for Nonattainment Areas



Questions from last hearing 3/13/12

- Are there any other states that have programs similar to what HB 323 will establish?
 - Libby, Montana received EPA funding to convert wood stoves from 2005 to 2008
 - Spokane, Washington established a wood stove change out grant program funded by the state of Washington to convert non-EPA certified wood stoves.

Questions from last hearing 3/13/12

- Would the energy rater be held liable if their estimate was lower than the final cost of the conversion?
 - Possibly. Since there is potential for the energy rater to be held liable, the intent of the role of the energy rate will be to inspect the currently installed heating unit, confirm the homeowner has a qualified unit for conversion, then submit the approval form to AHFC. The rater will not provide a project estimate. AHFC will then administer a grant for up to \$10,000 to a certified vendor/installer. Upon completion of the conversion, the vendor/installer will submit their payment request to AHFC and receive compensation of up to \$10,000. If the conversion exceeds \$10,000, the homeowner will be responsible for the balance.

Fairbanks PM_{2.5} Planning

4th in a Series:

Control Measures

March 15, 2012

Background

- Fairbanks North Star Borough (FNSB) needs to submit approvable plan by the end of the year
 - State Implementation Plan (SIP)
- SIP will include variety of mitigation methods
- Recent air quality control measures report released
 - Provided two scenarios for air quality improvement
 - Multi-fuel control package
 - Wood burning control package

Space Heating Measures – Short Term

- Expansion of existing programs
 - ❖ Dry wood
 - ❖ Wood stove change out
 - ❖ AHFC
 - ❖ OWHH retrofits
- Fuel sulfur reductions
- Financial support for cleaner fuels
- Opacity restrictions
- State OWHH standards

Multi-Fuel Control Package

(Preliminary Results)

Control Program	Relative Emission Reductions (% of Baseline Inventory)			
	NO _x	SO ₂	PM _{2.5}	µg/m ³
Expanded Wood Stove Change Out	0.09%	-0.96%	2.10%	0.7
Expanded OWHH Retrofit	0.10%	0.05%	4.65%	1.5
AHFC Home Energy Rebate by 2014	0.15%	0.42%	0.14%	<0.1
AHFC Weatherization by 2014	0.25%	0.06%	0.06%	<0.1
Public Education - Dry Wood	0.45%	0.21%	13.68%	4.4
Point Source Cntrls (Desulfurization)	-	37.04%	-	0.0 – 1.4
Shift from #2 to #1 Heating Oil	-0.27%	12.57%	-0.04%	0.1 – 0.6
Expanded Vehicle Plug-Ins	TBD	TBD	TBD	TBD
Expanded Transit and Vanpooling	TBD	TBD	TBD	TBD
Cumulative Total	4.13%	50.45%	22.04%	6.8 – 8.7

Notes: **Red** numbers indicate emission increases rather than reductions.
Percent average reductions over January/February episode.

Wood Burning Control Package

(Preliminary Results)

Control Program	Relative Emission Reductions (% of Baseline Inventory)			
	NO _x	SO ₂	PM _{2.5}	µg/m ³
Expanded Wood Stove Change Out	0.03%	-0.34%	0.66%	0.2
Expanded OWHH Retrofit	0.04%	0.02%	1.63%	0.5
AHFC Home Energy Rebate by 2014	0.15%	0.42%	0.14%	<0.1
AHFC Weatherization by 2014	0.25%	0.06%	0.06%	<0.1
Public Education - Dry Wood	0.16%	0.08%	4.80%	1.6
Curtail Wood Use on High PM Days	TBD	-1.20%	27.23%	8.8
Expanded Vehicle Plug-Ins	TBD	TBD	TBD	TBD
Expanded Transit and Vanpooling	TBD	TBD	TBD	TBD
Cumulative Total	0.62%	-0.97%	34.52%	11.3

Note: Red numbers indicate emission increases rather than reductions.
Percent average reductions over January/February episode.

Residential Wood Heaters

New Source Performance Standards (NSPS)

Public Outreach on Draft Proposed Rule
February 9, 2012

Burn Wise Message



LEARN
Before You Burn

1 Burn the right wood, the right way, in the right appliance

Save money and time. Burn only dry, seasoned wood and maintain a hot fire.

2 Keep your home safer. Have a certified technician install and annually service your appliance.

3 Make your home healthier. Upgrade to an efficient, EPA-approved wood-burning appliance.

  
epa.gov/burnwise

Burn the right wood. Save money and time. Burn only dry, seasoned wood and maintain a hot fire.

The right way. Keep your home safer. Have a certified technician install and annually service your appliance.

In the right appliance. Make your home healthier. Upgrade to an efficient, EPA-approved wood-burning appliance.

**Expect to tighten
emissions on new
woodstoves to levels
required in State of
Washington**



**Expect to regulate
new wood pellet
stoves
to emission levels
required in State of
Washington**



**Will still encourage
changeout of wood
stoves built before
1990**



Expect to regulate...

New Wood-fired Hydronic Heaters



New Wood-fired Forced-air Furnaces



New Masonry Heaters



New Single-burn-rate Stoves



Expect to require labeling for...

New Cook Stoves



New Coal-fired Stoves



New Camp Stoves



Expect to not regulate...

Masonry (Site-built) and Manufactured Fireplaces

Chimineas



Pizza Ovens





Questions?