

## Air Quality Stakeholders Group Recommendations Package (Approved by 93% vote)

Control Measure Category	No.	Description	Identified/ Proposed
<b>Registration</b>	1a.	Require registration of all residential and small commercial heating devices	BACM** #19 & 22
	1b.	FNSB should include registration of all residential and small commercial heating devices with property tax notice, with tax credit for response	AQ Stakeholder group
	1c.	Registration of heating devices should include renewal and inspection requirements	BACM #19
<b>Point Sources</b>	2.	Alternative BACT Banking Fund established by State of Alaska to allow Point Sources to place offset dollars to be used to fund PM <sub>2.5</sub> control measures	Point Source WG*
	3.	Point Sources pay an annual assessment to the Alternative BACT Offset Fund in lieu of capital expenditures for BACT and MSM (Point Sources WG)	Point Source WG
	4.	Offset funds used primarily to reduce impacts of wood smoke, and not on studies	Point Source WG
	5.	Eligibility for Point Sources to pay offsets requires that offsets yield greater annual impacts in PM <sub>2.5</sub> reduction than ADEC proposed BACT/MSM plant modifications	Point Sources WG
	6.	Speciation study funded by FNSB and Point Sources to determine the level of contribution of point sources to the SO <sub>2</sub> problem	Point Sources WG
	7.	DEC and each point source negotiate on choice of MSM or economic incentive program (offset).	Point Sources WG
	<b>Fuel Control</b>	8.	Bring natural gas to Fairbanks to allow switch from SFBA or oil boiler to natural gas boiler
9.		Build and operate a public-private kiln for wood drying	Public Measure #6
10.		Establish a dry for wet wood exchange program	Stakeholder Measure #3
11.		Require all homes with SFBAs to have appropriate wood storage	Public Measure #7
12.		Mandate shift from #2 fuel oil to #1 fuel oil borough-wide; ULSD as contingency measure	BACM #51, Public #13, #14 & #16
13.		Require sale of only dry wood when it is commercially available, with exemption for 8-foot rounds	BACM #31, Public #5
14.		Add surcharge to price of #2 fuel oil	Stakeholders

<b>Control Measure Category</b>	<b>No.</b>	<b>Description</b>	<b>Identified/ Proposed</b>
<b>Energy Efficiency</b>	15.	State and/or Borough seek funding to implement a voluntary program to improve residential energy efficiency in the non-attainment area that prioritizes wood-burning homes in AQ hot spots.	Energy efficiency WG
	16.	Require home energy audit at the time of home sale	Energy efficiency WG
<b>Device Removal</b>	17a.	Request to Congress and State of Alaska to fund \$40-million 2-year WSCOP	Wood devices & smoke curtailment WGs
	17b.	Mandatory removal of uncertified devices over 3-year period	Wood devices & smoke curtailment WGs
	18.	Require notice and proof of destruction or surrender of removed, uncertified devices	BACM measure 16, Public measure 9
	19.	Offer higher incentives for replacing SFBA's in multi-family structures under WSCOP	AQ Stakeholders
	20.	Prohibit use and require removal of coal-only heaters from homes and small commercial sites	BACM #48, #49
	21.	Create incentives for fuel oil boiler upgrades	EPA Measure #3
<b>Device Control – existing devices</b>	22.	Require permanent installed alternative heating method in rental units, with exemption for current NOASH permit holders	BACM #24
	23.	Require catalytic device change out per manufacturer's specifications, with mandatory chimney sweep and device check on annual or biennial basis	Wood Devices WG
	24.	Require inspection for NOASH renewals	BACM #25
	25.	Allow only NOASH households to burn during Stage 2 curtailment periods	BACM #29
	26.	Require renewal of Stage 1 permits	BACM #27
	27.	Require inspection for Stage 1 eligibility	BACM #27

<b>Control Measure Category</b>	<b>No.</b>	<b>Description</b>	<b>Identified/ Proposed</b>
<b>Device Control – new devices</b>	28	Require installation permit for all new SFBAs and restrict the types of devices allowed to borough (state) list of approved devices	BACM #3
	29	Require installation of device that meets state emission standards whenever a fireplace or chimney is remodeled	BACM #10
	30.	Prohibit sales of SFBAs that don't meet state standards	Public Measure #10
	31.	Allow SFBA in new construction as secondary heat only; primary heating system must have sufficient capacity to heat the building	BACM #3
	32.	Require all aftermarket controls on SFBAs to be professionally installed, with exemption for existing devices	Public Measure #8
	33.	Require all SFBAs to be properly sized and professionally installed, with exemptions for existing devices	Public Measure #8
<b>Compliance and Enforcement</b>	34.	Adopt legislation giving ADEC citation authority	Public Measure #2
	35.	Increase funding for curtailment enforcement	Compliance & Enforcement WG
	36.	Use infrared cameras to observe heat signature for solid-fuel heating device operations	ADEC Measure #1
	37.	Increase penalties for burning wet wood	Public Measure #4
	38.	Deleted	
	39.	Deleted	
<b>Education</b>	40.	Develop a public relations strategy that promotes a positive and proactive approach to education and public outreach on Fairbanks air quality issues	Meeting 5 Discussion
	41.	Communicate the costs of PM <sub>2.5</sub> non-attainment, including increased medical costs, loss of federal highway funds and construction jobs, increased electric costs for residents and businesses, and other health and social costs	Meeting 5 Discussion
	42.	Be clear that the goal is not to eliminate wood burning, but to preserve our ability to heat with wood by agreeing not to burn during inversions	Meeting 5 Discussion
<b>Education</b>	43.	Seek additional venues and audiences for Dr. Owen Hanley's talk on health impacts of PM <sub>2.5</sub>	Meeting 5 Discussion
	44.	Develop other high-impact presentations that make the science and consequences of PM <sub>2.5</sub> pollution clear	Meeting 5 Discussion

<b>Control Measure Category</b>	<b>No.</b>	<b>Description</b>	<b>Identified/ Proposed</b>
	45.	Learn from behavioral economics and social marketing to identify and address barriers to changing behaviors	Meeting 5 Discussion
	46.	Partner with the Cooperative Extension to provide classes in responsible wood burning	Meeting 5 Discussion
	47.	Coordinate with local schools to incorporate air quality messages and alerts in daily announcements	Meeting 5 Discussion
	48.	Encourage teachers to include air quality science and health impacts in lesson plans	Meeting 5 Discussion
	49.	Engage the public through events that are creative and entertaining, such as a contest for building the best modular dry wood storage	Meeting 5 Discussion
	50	Include continued funding for highway signs in next Targeted Airshed Grant proposal	FNSB Underway
<b>Mobile &amp; Small Stationary Sources</b>	51	Continue the "Plug it in at +20" campaign?	FNSB Underway
	52	Deleted	
	53	Deleted	
	54	Deleted	
	55	Deleted	
<b>Research</b>	56	FNSB and DEC should continue to evaluate retrofit control devices such as ESPs using currently appropriated funding	

\* WG=Work group

\*\*BACM= BACM reference numbers indicate where the measure originated, however the language may be changed due to stakeholder modifications for approvability.