

Wood Smoke Curtailment Work Group – July 13, 2018

In Attendance:

Voting Members

Ross Adkins
 Rick Hinkey
 Joseph Little (teleconference)
 Mark Oppe
 Jennifer Schmidt
 *Rick Solie
 *Jennifer Willeford

Non-Voting Members

Nick Czarnecki, FNSB Air Quality
 Bob Dulla, Sierra Research

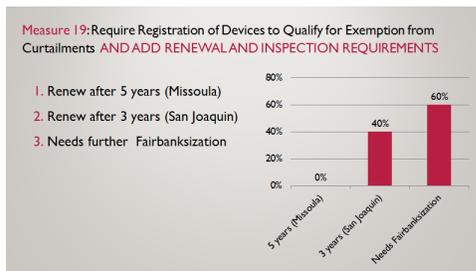
Facilitation Team

Brian Rogers
 Jana Peirce
 Michelle Ohnesorge
 Sherry Modrow

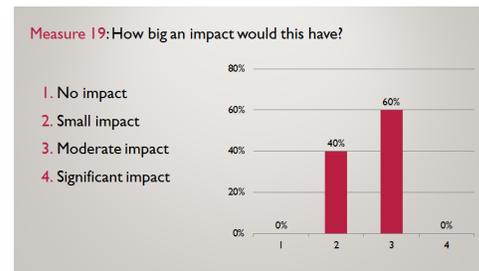
*Reporters

Priorities for Work Group Discussion

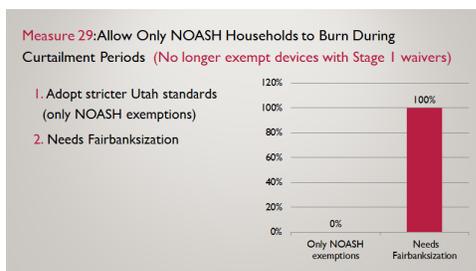
Responses: 5 Fairbanksize: 60%



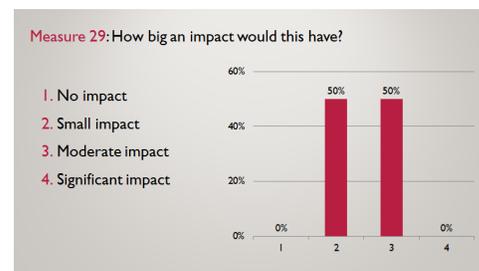
Responses: 5 Impact (Wtd. Avg.): 53%



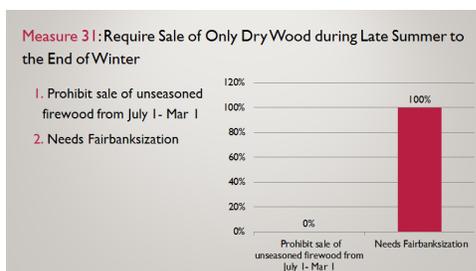
Responses: 6 Fairbanksize: 60%



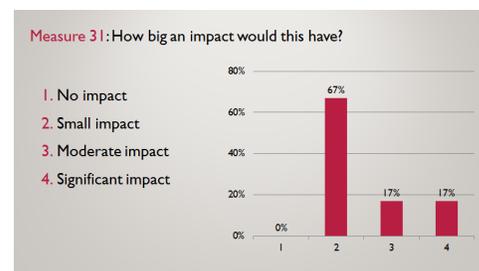
Responses: 2 Impact (Wtd. Avg.): 50%



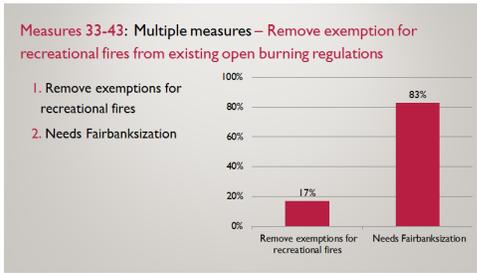
Responses: 6 Fairbanksize: 100%



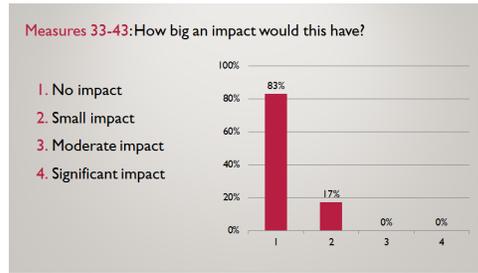
Responses: 6 Impact (Wtd. Avg.): 50%



Responses: 6 Fairbanksize: 83%



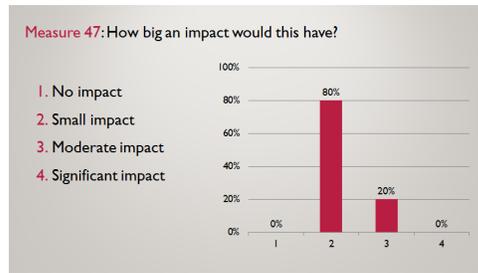
Responses: 6 Impact (Wtd. Avg.): 6%



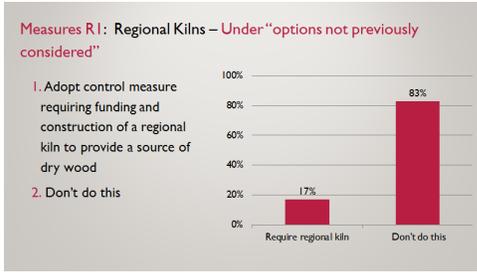
Responses: 5 Fairbanksize: 80%



Responses: 5 Impact (Wtd. Avg.): 40%



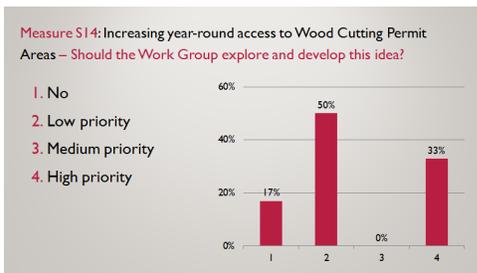
Responses: 6 Pursue: 17%



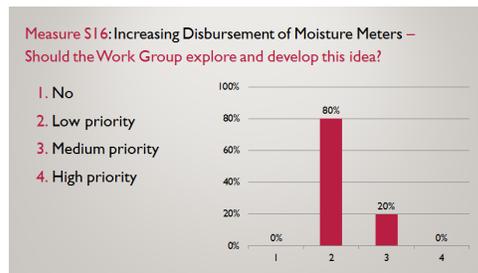
Responses: 6 Impact (Wtd. Avg.): 61%

Stakeholder Measure 13: Dry for Wet Wood Exchange Program
 - 3 low, 1 medium, 2 high priority

Responses: 6 Impact (Wtd. Avg.): 50%



Responses: 5 Impact (Wtd. Avg.): 40%



	Needs Fairbanks modification	Potential impact	WG priority
S13: Dry for wet wood exchange		61%	1
19: Require renewal and inspection of registered devices for exemption	60%	53%	2
31: Require sale of dry wood only late summer-end of winter	100%	50%	3
29: Only allow NOASH burn exemptions during Stage 1 alerts	60%	50%	4
S14: Increase access to wood cutting permit areas year-round		50%	5
47: Inspection warrant	80%	40%	6
S16: Increase disbursement of moisture meters		40%	7
33-43: Recreational fire exemptions	83%	6%	8
R1: Regional Kilns	17%		9

Discussion

1. We need a 70-80% reduction, so just a few measures will not do it. Ultimately will have to reduce the number of wood burning devices in use in the non-attainment area.
2. If Fairbanks and North Pole are split, it will not be in time to avoid serious SIP measures. Requires 3 years of data collection after a new monitor is sited in Fairbanks. Design value for new site will be higher than at current Fairbanks monitor.
3. Concerned about manpower required for Measure 19 (Registration renewal and inspection)
4. Measure 31 (Ban wet wood sales in late summer-end of winter): If you ban wet wood sales all year, you would not be able to buy a truck of whole logs, which are significantly cheaper, but are never dry.
5. Inspection warrants (Measure 47, which would be issued if not allowed in home) are “counter to our culture of Fairbanks”
6. SO₂ is monitored only at the Fairbanks monitor. It has always been in attainment there.
7. Need more education on the costs of heating with wood compared to heating with oil
8. Removing the exemption on small recreational fires (Measures 33-43) would have little to no impact on emissions
9. Interest in exploring the possibility of a regional kiln to dry wood, to educate on wood burning, and help create a community of responsible wood burners, but need more info on costs per BTU. Waste heat from a power plant would reduce this. A wood drying lot would be a less energy-intensive alternative.
10. Have GVEA to give moisture meters as incentive at annual meeting. Large discussion about how to measure the moisture of wood (not putting it in the bark)
11. Will EPA recognize “traditional knowledge” for Fairbanks? How would this help/be utilized?

To Do

1. How to target 97% of devices that are not registered (Not NOASH, Not S1 Waiver)
2. Enforcement

3. More education on dry wood
4. Dryness of wood cut by subsistence users (not firewood that is sold)
5. Education on cost of wood burning vs. alternative fuels
6. Number of people buying wet wood (could need this to challenge measures limiting sale of wet wood)
7. Will EPA accept traditional knowledge as data
8. Aurora CO inspection warrants (number? effectiveness?)
9. Wood drying lots instead of kiln (lower cost)