Air Quality and Public Health

Jonathan Cruz (he/him) Wood Smoke Program Specialist

Jaycob Padron (he/him) Air Quality Specialist Senior

Presentation Goals

- **Inform residents** about the health impacts of particulate matter from residential activities.
- **Increase awareness** of the wood smoke program, operations, and outcomes.
- Empower residents to adopt behavior changes to protect air quality and their health.

Post Survey:





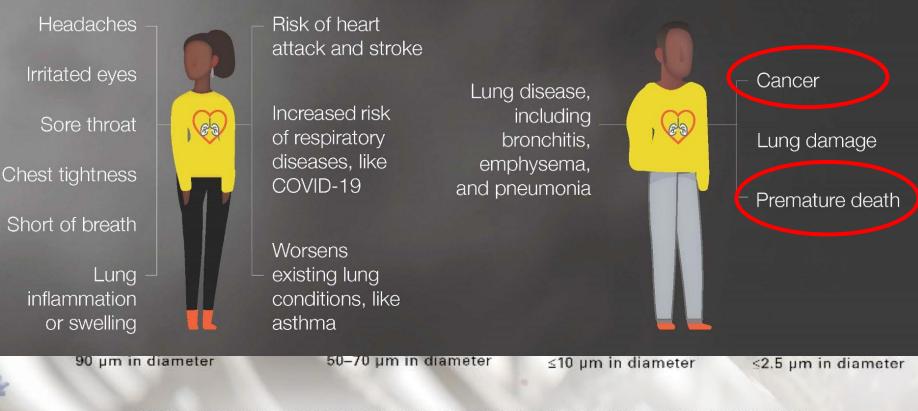
Overlapping Impacts



Healthy Homes and Communities Programs



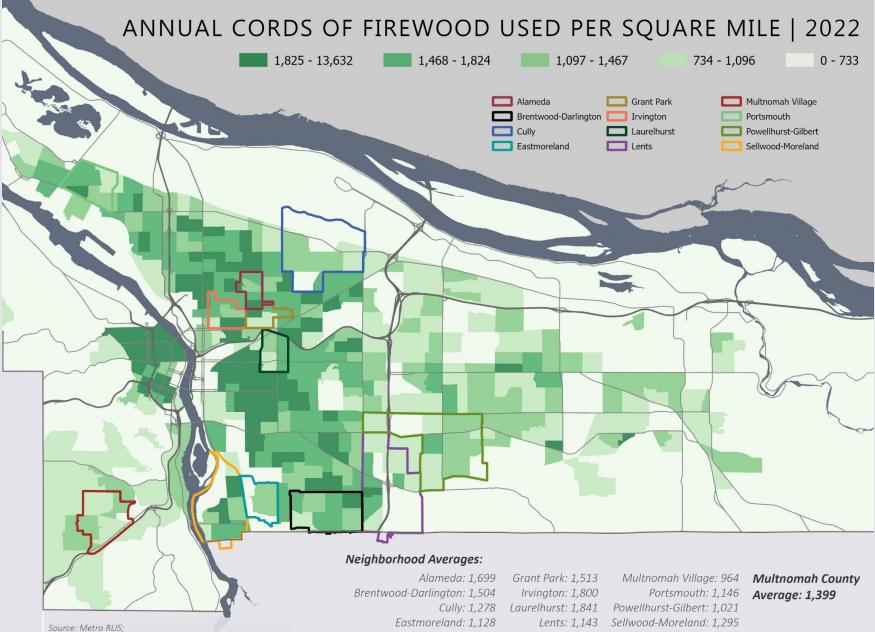
SHORT-TERM HEALTH EFFECTS



LONG-TERM HEALTH EFFECTS

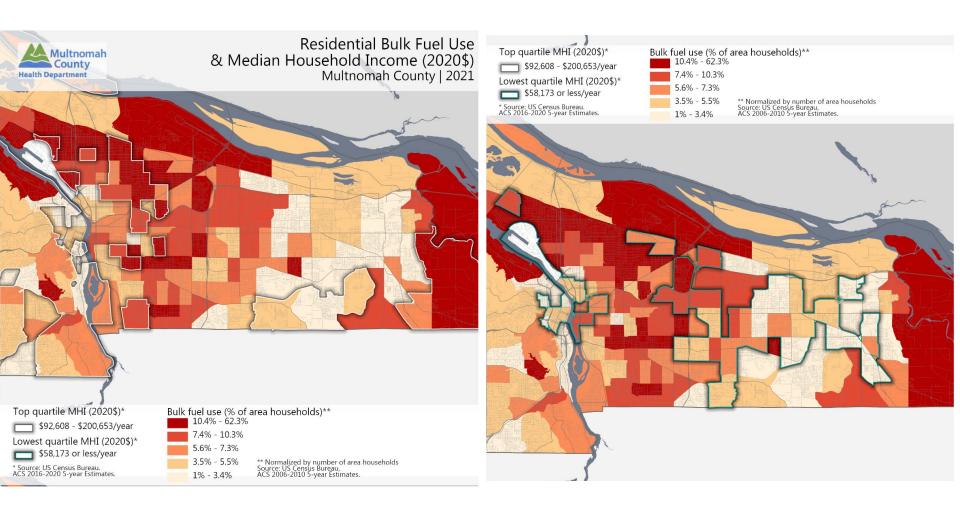
This graphic depicts size comparisons for particulate matter (PM) in micrometers (µm). Note that PM_{2.5} is not visible to the naked eye.





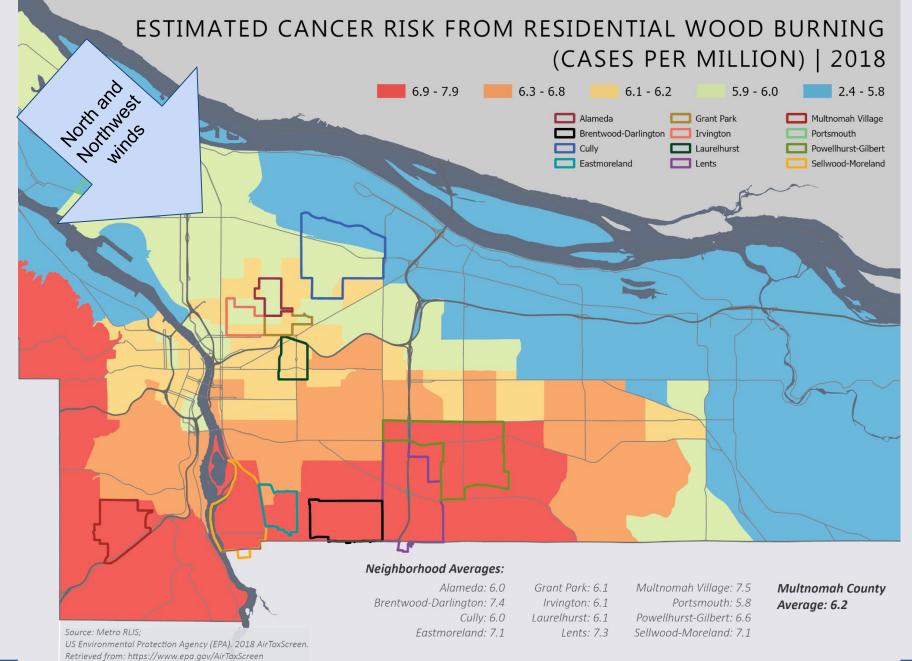
Source: Metro RLIS; Oregon Department of Environmental Quality



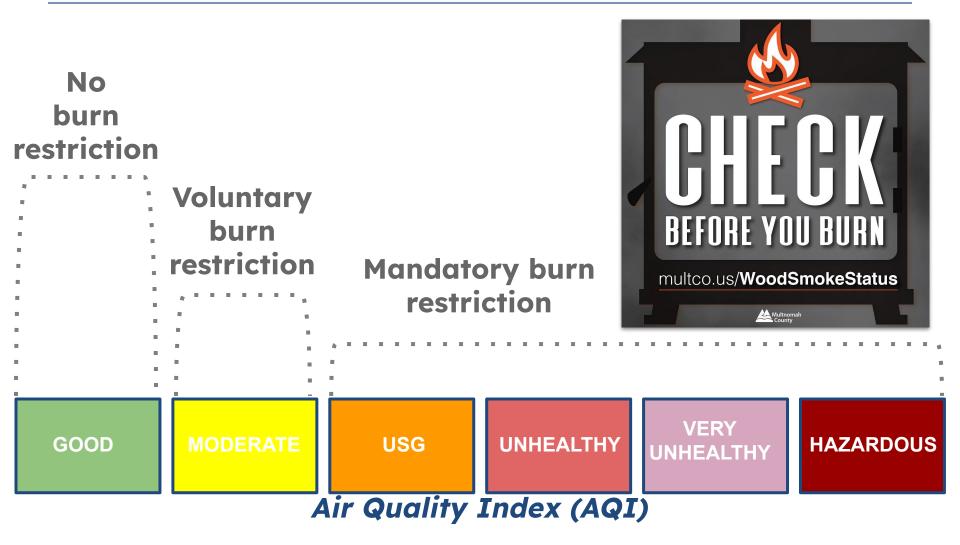


*bulk fuel includes firewood and other heating such as oil and propane





ORDINANCE: Language Revisions to Advisory Types





Check Before You Burn

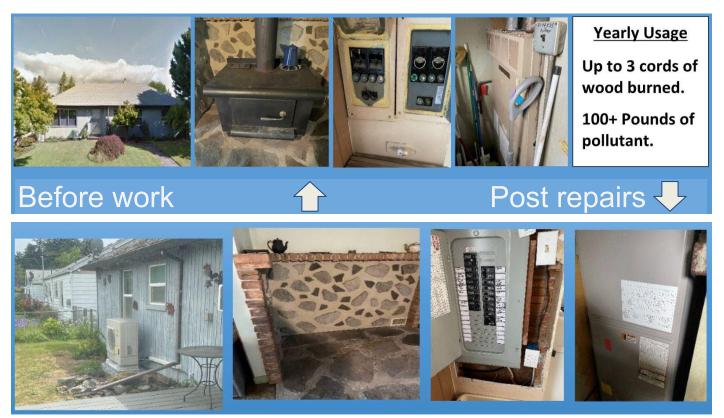
- Check before you burn!
 - Call 503-988-0035
 - www.multco.us/woodsmokestatus
 - Sign up for alerts via email/text
- Send complaints via phone, web, or email
 - woodsmokecomplaints@multco.us
 - Our program's goal is education, outreach, and referrals
- If you see a fire that is unsafe (actively on fire): call 911
- If a fire is in an unsafe area and has potential to catch fire, call non-emergency: 503-823-3333







Homeowners may receive \$5000 to the full cost of replacement depending on eligibility and household income.





Healthy Homes Grant

Healthy Homes repair and renovation services to be offered in partnership with **Multnomah County** Weatherization and the Health Department. The program will improve home indoor air quality for low income residents of Multnomah County who qualify.

Contact Tiffany Hitchcock at: <u>healthyhomes@multco.us</u> for more information





Resources Available to Help with Air Quality

Multnomah County Weatherization works in all of Multnomah County

Community Energy Project works in the city of Portland

NAYA works with east Portland homeowners

REACH Community Development works in Portland

Unlimited Choices works in all of Multnomah County

Energy Trust work in Oregon but is a rebate program



Buying or Making an Air Filter





Air cleaners pull in dirty air, trap tiny harmful particles, and blow out cleaner air. Check for:

- Search for <u>California Certification</u> before you buy
 - Look for Air Delivery Rate vs. Size of Room
 - Remember: Ionizers create ozone
 - Check for MERV 13+ Filter Rating

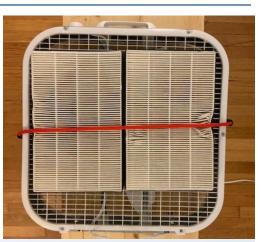
More information: <u>multco.us/wildfiresmoke</u> and <u>EPA</u>

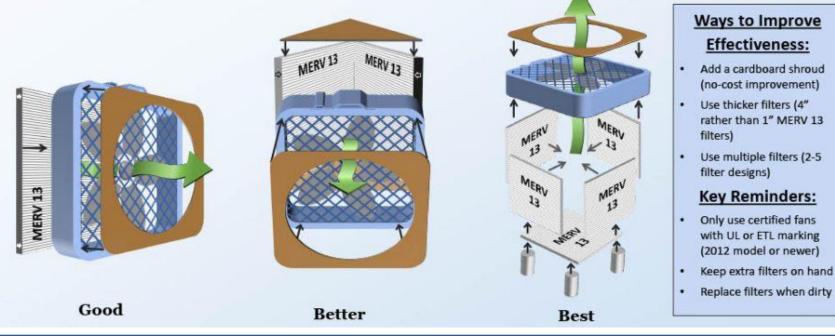


How to Protect Your Health in Other Ways

What's wrong with the picture on the right?

Below are some ways to make an purifier







Environmental Justice Projects in Rockwood in 2024.

There are 4 pieces of the puzzle:

- 1. Blueprint Foundation
 - 2. Friends of Trees



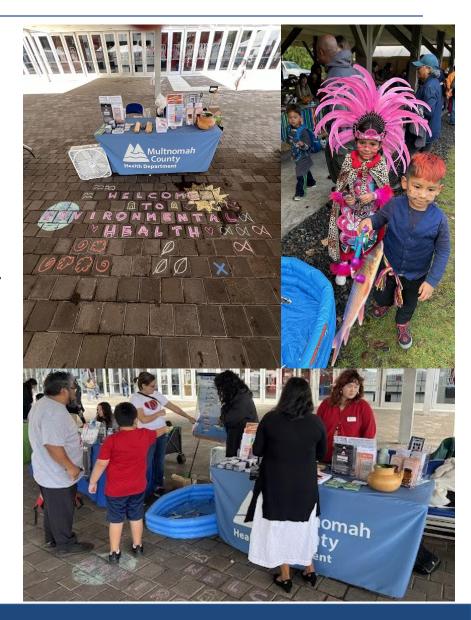


4. Latino Network and Slavic Community Center



Outreach and Presentations

Healthy Homes and **Communities (HHC)** participates in community events and presentations about the health benefits of choosing not to burn wood, preparinging for smoke from wildfires, and information about indoor air quality





Collaborating on Camp AQ

Camp AQ is in its third year hosting students ages 13-19 to learn about air quality.

We work in partnership with <u>Neighbors for Clean Air</u> and Oregon Department of Environmental Quality.

Participants learned about environmental forces driving health inequities across the county and how to improve AQ.



Pictures from Camp AQ 2024



Shared Air, Shared Action

- Check Before You
 Burn
- Buy or Make an Air Filter
- Choose other ways to stay warm, such as heat pumps or electrification.
- Insulate and weatherize your home.
- Advocate for more action to protect our airshed







Jaycob Padron jaycob.padron@multco.us

Jonathan Cruz jonathan.cruz@multco.us

Post Survey, Questions + Request Presentation:



