

Episode 56FF June 15, 2023. News stories about wildfire wood burning smoke effects.

Residents Against Wood Smoke Emission Particulates, see <https://RAWSEPresidents.wordpress.com> and click on the nearest right icon for the latest month, June 2023, of PDFs of articles with U R L's to search on. To the right of that, Games such as 1)Bingo for RAWSEP, 2)Crosswords for RAWSEP, 3)EndWoodSmokeJeopardy. 4)EndWoodSmokeMonopoly Games, 5) a RAWSEP Flyer, 6)the Un-Twist-it Game, and 7)"Vending Machines for PM2.5 monitors", and icon links to 30 minute Youtube videos and Spotify podcasts as well as podcasts on Amazon Music Prime (free for Prime subscribers), podcasts.google.com, Cast Box, and Pocket Cast (Pocket Cast is only free on the phone App. Pocket Cast works on Apple phones) and, below those icons, icon links to monthly PDFs of articles with URL's to search on, from May 2023 to May 2022.

United States

California

[Huffman leads letter to EPA to allow prescribed burns amid air quality changes](#)

Times-Standard

Members said in the letter that PM 2.5 is the primary pollutant that comes from wildfires. "To address this, we must bring healthy, low intensity fire ...

North Coast Rep. Jared Huffman (D-San Rafael) and Senator Alex Padilla (D-Los Angeles) spearheaded a letter asking the EPA to allow prescribed burns.

[Feinstein, Padilla, California Members Urge EPA to Tighten Air Quality Standards, Preserve ...](#)

Senator Dianne Feinstein

In January, EPA proposed to strengthen a key national ambient air quality standard (NAAQS) for fine particle pollution, also known as PM 2.5, ...

[California Congressmembers Urge EPA to Support Prescribed Fire - KQED](#)

KQED

PM 2.5 is a class of pollutants defined by their size: 2.5 microns in length or smaller (about 3% of a hair's width). Their small size allows them ...

[California Senators plead with EPA to allow controlled burns in new clean air rules](#)

The Center Square

PM 2.5 is fine particle pollution in national ambient air quality ... Non-attainment is the failure to meet particulate matter measurement set by ...

Colorado

[Do you have a wood stove in Golden? You could qualify for a rebate for a cleaner heating appliance](#)

Wildsight

Golden frequently has some of the poorest air quality in BC, caused in part by smoke from wood stoves. Burning wood emits particulate matter ...The Community Wood Smoke Reduction Program aims to help people switch out ... Burning wood emits particulate matter (PM2.5) – very tiny particles ..

Idaho

[Be prepared for Idaho's smoky season this summer and fall](#)

Idaho Department of Health and Welfare - Idaho.gov

Avoid activities that increase indoor pollution (e.g., burn candles, use propane or wood-burning stoves, aerosol sprays, smoke tobacco products, ...

[IDHW: Protecting yourself from wildfire smoke and dangerous air pollutants | KBOI](#)

KBOI

Avoid activities that increase indoor pollution (e.g., burning candles, using propane or wood-burning stoves, aerosol sprays, smoking tobacco products ...

Indiana, Kosciusko County, Etna Green

[Etna Green Council Discusses Ordinance Updates, Enforcements, Burning - Times-Union](#)

Times-Union

MPR News

Smith said, according to Indiana code and the IDEM rules, residents can burn leaves and other clean sources of wood. Burning is not allowed in ...

Iowa, Mason City

[Air Quality Alert in effect today from noon-8 p.m. in SE Minnesota | Local - KIMT](#)

KIMT

Reduce or eliminate activities that contribute to air pollution, such as outdoor burning, and use of residential wood burning devices. Reduce vehicle ...

Iowa, Okoboji

[Air Quality Alert Issued For SW Minn. Due To Canadian Wildfire Smoke - Explore Okoboji](#)

Explore Okoboji

Due To Canadian Wildfire Smoke. 6/15/2023 ... such as outdoor burning and use of residential wood burning devices, should be avoided.

Massachusetts, Boston, Harvard University

[In the thick of Canadian wildfires - Harvard Gazette](#)

Harvard Gazette - Harvard University

A “smoke wave” is defined as two or more consecutive days of extreme levels of fine particles, called PM2.5, emitted specifically by wildfires.

Massachusetts, Boston

[Smoke from Canadian wildfires will return. Here's how to keep it out of your home.](#)

Boston.com

Smoke from Canadian wildfires worsened air quality in Boston, threatening “sensitive ... smoking, spraying aerosols, and using gas, wood-burning, ...

Minnesota, Albert Lea

[Air quality alert remains in effect through Friday morning - Albert Lea Tribune](#)

Albert Lea Tribune

The Weather Service stated smoke will gradually dissipate across the ... such as outdoor burning, and use of residential wood burning devices.

Minnesota, Boundary Waters

[Amid increasing fire danger, Forest Service bans campfires in Boundary Waters | MPR News](#)

MPR News

It also applies to charcoal grills and wood-burning stoves. Authorities said gas and propane cook stoves would still be allowed in the wilderness.

Minnesota, Twin Cities Minneapolis and Saint Paul

[Red air quality alert issued for Twin Cities area | Local News | hudsonstarobserver.com](#)

Hudson Star Observer

While wildfires rage, smoke mixes with the air, which can reach harmful levels ... including avoiding any wood burning – indoors or outdoors – and including avoiding any wood burning – indoors or outdoors – and reducing vehicle trips and idling when possible.

Minnesota, Saint Paul

[Canadian wildfire smoke gives Minnesota city the worst air in the US - KIMT](#)

KIMT

St. Paul, Minnesota, has the worst air quality in the United States as smoke from massive Canadian wildfires drifts across the state.

Minnesota, South East

[Air Quality Alert issued Wednesday for southeast Minnesota - ABC 6 News - kaaltv.com](#)

KAAL

... by reducing or eliminating outdoor activities that contribute to air pollution, such as burning, and use of residential wood burning devices.

Minnesota, Spice Lake

[Boundary Waters wildfire 'creeping and smoldering,' now estimated at 20 acres in size](#)

It's burning between Spice Lake and Ogishkemuncie Lake, about 10 miles southwest ... It also applies to charcoal grills and wood-burning stoves.

New York, Buffalo

[companies setting 'net-zero' climate targets, but few have credible plans, report says - Buffalo News](#)

Buffalo News

Particulate matter refers to airborne pollutants that can be inhaled and ... The two types that are typically monitored are PM-10 and PM 2.5.

New York, New York City, Columbia University

[Understanding Canada's wildfires and the smoky skies over New York - Columbia Daily Tribune](#)

Columbia Daily Tribune

They burned until nature put them out. This ensured that a forest was regularly cleared of all its dead wood. Humans started fighting fires and that ...

North Carolina, Greenville

[Keeping the baby bonfires burning has big impact for pair of dads - Greenville Online](#)

Greenville Online

The stacks of wood turned to ash flying through the air as the fires burned for hours. Loads of fun, for sure, unless you are the person in charge ...

Texas, Houston

[University of Houston Researcher Awarded \\$1.2M Grant to Assess Impacts of Biomass ...](#)

University of Houston

“Along with the fine particulate matter (PM 2.5) in smoke, there are also gases in the smoke that form ozone. By looking at the optical properties ...

Washington, DC

[Opinion | The wildfire smoke may be gone. But the health threat remains.](#)

The Washington Post

Such “particulate matter” is microscopic; those 2.5 microns or smaller are referred to as “PM 2.5.” If inhaled, PM 2.5 can infiltrate deep in our ...

Washington State, King County

[How to prepare for an early and long 2023 wildfire season in King County](#)

Public Health Insider

Because wood smoke particles are so tiny, KN95 masks may not offer the same level of protection as an N95, while cloth masks don't provide much ...

Wisconsin

Wisconsin, Madison

[How the Wood Pellet Industry Is Threatening Small Southern Towns - Progressive.org](#)

The Progressive

Pellets are a popular form of biomass because existing coal-fired power plants can be converted to burn pellets relatively easily. But making wood ...

Wisconsin, Milwaukee

[5 ways you can protect yourself from wildfire smoke - TMJ4](#)

TMJ4

Activities like smoking, spraying aerosol products, frying and boiling food, burning candles, vacuuming, and using gas, propane, or wood-burning ...

[More than half of Wisconsin is under air quality advisory due to smoke from Canadian wildfires](#)

Wisconsin Public Radio |

The Wisconsin Department of Natural Resources issued the air quality advisory Wednesday for particulate matter 2.5, or fine particle pollution.

Canada

Canada, CBC

[Province sending mixed messages on status of wood-heating program | CBC News](#)

CBC

... about a program to put wood-burning heating systems in public buildings. Launched by the previous Liberal government, the wood-heat initiative ...

Canada, Canadian Forest Industries

[Community wildfire risk: A holistic approach to wildfire resiliency - Wood Business](#)

Canadian Forest Industries

June 12, 2023 By John Davies. Thinning prescriptions combined with prescribed burning restore open stand structures and encourage biodiversity.

Canada, Saskatchewan, Moose Jaw

[Local fitness guru explains ways to exercise in smoky conditions - DiscoverMooseJaw.com](#)

Discover Moose Jaw

“Specifically, they are called PM 2.5 [Particulate Matter]. We track that because it can get deeper into your lungs if you breathe that stuff in. United Kingdom

United Kingdom

U K, Buro Happold

[Air Quality: The evolution of our concerns and coping strategies - Buro Happold](#)

Buro Happold Buro Happold Limited is a British professional services firm that provides engineering consultancy, design, planning, project management, and consulting services for buildings, infrastructure, and the environment.

Despite the US government's efforts to improve air quality, the concentration of fine particulate matter (PM2.5 – <2.5 micrometres in diameter), ...

U K, Furniture Production Magazine

['Sad' if it happens? | Furniture Production Magazine](#)

Furniture Production

It is estimated that between a quarter and a third of all of London's fine-particle pollution comes from domestic wood burning. The current Mayor of London, Sadiq Khan, is reported to have said that wood-burning stoves could be banned in some areas to combat air pollution . Known as PM 2.5, particulate matter less than 2.5 microns in diameter invisible to the naked eye and small enough to pass through the lungs and

U K, Health Workers

[Health workers urge PM to take action on toxic air - BBC News](#)

BBC

... Newcastle and other cities, local traffic control solutions such as school streets, and effective regulation of wood burning in urban areas.

U K, London

[Recognising Clean Air Day: “Targets aren't ceilings” | RCP London](#)

Royal College of Physicians

Long-term exposure to PM2.5 is associated with cardiovascular ... found that reducing pollution from toxic fine particulate matter 'PM2.5' to 10µg ...

China

[A New Perspective on Aerosols and Emissions Over Northern China - Eos.org](#)

Eos.org

Unlike a more significant reduction of PM2.5 concentrations in winter, aerosol optical depth (AOD) declines much faster in summer than in winter ...

[China Advances Air Pollution Understanding](#)

Newswise

Future research efforts will focus on the mechanism of the Air Pollution Complex formation to control PM2.5, or particulate matter 2.5 micrometers ...

[Chinese scientists find small air pollution particles such as PM2.5 can act as 'Trojan horse' for viruses](#)

South China Morning Post

Fang and her colleagues investigated four common air pollution particles – dust, biochar (wood burnt without oxygen), black carbon, and the fine ...

India, Madras

[IIT-Madras designs IoT-based mobile device to monitor air quality - The Hindu](#)

The Hindu

He said one specific location showed particulate matter of 2.5 pollution peaked between 1 a.m. and 3 a.m. due to milk being transported from a ...

Wood Smoke and Health Effects

[Wildfire smoke and dirty air are also climate change problems: Solutions for a world on fire](#)

The Conversation

Black carbon comes from burning wood, charcoal and crop residue, and is also in the soot from fossil fuel combustion in

[Peak expiratory flow varies among adolescents with exposure to particulate matter - Healio](#)

Healio

WASHINGTON — Ambient particulate matter pollution at the 2.5 µm scale influenced peak expiratory flow among adolescents in Mobile, Alabama, ...

[Will the Wildfires in Canada Ignite Climate Activism in America? - Impakter](#)

Impakter

... high scores on the Air Quality Index (AQI) for the amount of fine particulate matter (PM 2.5) in the air, with scores ranging into “hazardous” ...

[Worried about Wildfire Smoke? Follow These Top 10 Steps Before the Smoke ... - InvestorsObserver](#)

InvestorsObserver

How dangerous is PM 2.5? Wildfire smoke? What is the best type of air purifier for wildfire smoke? Find out more about different types of air ...

[Cyclists, High Exposure To Polluting Sources - Nation World News](#)

Nation World News

... on the road could be exposed to up to 10 times the concentration recorded by air quality stations of carbon monoxide and PM 2.5 particles.

[Wildfire season is getting longer—and more intense. Here's how to prepare.](#)

National Geographic

Here are some ways to protect yourself from dangerous smoke. ... producing more than just wood smoke, according to Brett Singer, a staff scientist ...

[The risk of being bitten by a dog is higher on hot, sunny, and smoggy days - Nature](#)

Nature

Short term exposure to air pollutants (particulate matter < 2.5 µm (PM2.5) and ozone)^{12,13,14,15,16,17,18} also appears to increase the incidence of ...

[Air Quality from Wildfires Also Bad for the Brain, Expert Says - Newswise](#)

Newswise

Recent research suggests a link between exposure to small air pollutants known as PM 2.5 particles and the development of dementia.

[Dog bites may be more common on hot and polluted days, according to new study](#)

Phys.org

The authors examined the association between dog bite rates and daily levels of fine particulate matter (PM2.5), ozone, and temperature.

[Editing a police misconduct law - POLITICO](#)

Politico

The new EPA rules would restrict fine particulate pollution, or PM 2.5, which is present in smoke and can harm lungs.

[The impact of forest fire smoke on building materials and electronic equipment](#)

PropertyCasualty360

Structural properties of wood members are not affected by smoke alone. Depth of char for members in close proximity to fire is a strong indicator ...

[How climate change 'loads the dice' for severe wildfire seasons in Canada](#)

The Weather Network

The fine particulate matter in the smoke, PM 2.5, is particularly bad for human health because it can get deeper into the lungs.

[Toxicologist explains how wildfire smoke can harm human health - The Weather Network](#)

The Weather Network

Wildfire smoke can harm human health, even when the fire is hundreds ... Being exposed to wood smoke won't independently cause someone to have a ...

[Industry Insider: Bad Air and the Daily Commute - webBikeWorld](#)

webBikeWorld

PM 2.5 is any pollutant in the air measuring 2.5 microns or less, with a single micron equal to one 25,000th of an inch.

[Worried about Wildfire Smoke? Follow These Top 10 Steps Before the Smoke ... - Yahoo Finance](#)

Yahoo Finance

Avoid activities that can increase PM2.5. Don't use candles, gas, propane, wood-burning stoves, fireplaces, or aerosol sprays.