

June 18, 2022, RAWSEP news paraphrased

## California

[California has some of the worst air quality in the country. The problem is rooted in the San ...](#)

PBS  
The particles in smoke, known as **PM 2.5**, are tiny enough to enter the ... with pollution standards for ozone and fine particulate matter (**PM 2.5**), ...

RAWSEP View: California PM 2.5 air pollution is blamed on agriculture.

[Earth First column | Is wood smoke hovering over your home in Orange?](#)

Central Western Daily

Harm comes from pollutants from **wood smoke** which include gases such as carbon monoxide, organic compounds, air toxics and fine particles formed when ...

RAWSEP View: Orange County, California is informed that wood smoke PM 2.5 is a pollutant of resident's air. The writer says "Every year winter and plummeting morning temperatures greets me with a pall of wood smoke trapped in the valley by the chilly air along Ploughman's Creek." And "Ploughman's Valley is not alone in Orange as a place affected by wood smoke caused by inconsiderate operators." The writer gives advice on using the right wood and checking the operation of the wood burning equipment. RAWSEP View: These half-way measures have not proven to be effective in stopping PM 2.5 pollution from wood smoke.

## Gas Fire Pits, rather than Wood Burning Fire Pits

[Residential Outdoor Gas Fire Pits Market Growth Drivers, Industry Share-Size ... - Digital Journal](#)

Digital Journal

**Wood burning** fire pits made of metal are also fairly common, but under increasing scrutiny due to fire bans and air particulate emissions.

RAWSEP View: Because of the recognition of particulate emissions from wood burning fire pits, people are turning to residential outdoor gas fire pits. In RAWSEP's view, fire pits are unnecessary, but the gas burning fire pit is thousands of times less particulate polluting than the wood burning fire pit.

## India

[Firewood cooking and its effects on human health - The Island](#)

The Island

In India, a scientific study has revealed that 50% of the ill health in mothers and 35% of the illnesses of children is due to kitchen **smoke**.

RAWSEP: In India, 50% of ill health of mothers and 35% of illnesses of children is due to kitchen smoke.

## Indonesia

[Jakarta Gets The "Worst Air Quality" Predicate Again, Here Is The Data - VOI](#)

VOI

The concentration of "particulate matter" (**PM**) **2.5** is 14.6 times above the World Health Organization (WHO) standard. **PM 2.5** is the smallest air ...

RAWSEP View: Jakarta, Indonesia has PM 2.5 pollution at 14.6 times the World Health Organization (W.H.O.) standard.

## U.K.

[UK 'net zero' plan to remove CO2 from atmosphere relies on burning 120 million trees, report claims](#)

Daily Mail

This process involves **burning wood** pellets to create electricity, before the CO2 is separated and piped underground.

RAWSEP View: Piping CO2 created from wood burning underground seems like it might create unanticipated problems. It is mitigation after the fact instead of capturing CO2 as it is created when wood is burned. Residential wood burners do not capture CO2 when wood is burned. It is possible to capture some CO2 when biomass on an industrial scale is burned, but that carbon capture is not very efficient.

### **U.K., England, Bristol**

[POLL: Should log burners be banned after new warning issued? - Daily Express](#)

Daily Express

Households in Ashley, Bristol, were given sensors to monitor the pollution emitted from their log-burning devices. **Wood** and coal **burners** create tiny ...

RAWSEP View: Another news study that in Bristol, England, U.K. PM 2.5 sensors show the PM 2.5 pollution from residential wood burning affects the health of near neighbors.

### **U.K., England, Nottingham**

[Homeowners warned to 'think twice' about using log burners after alarming discovery](#)

Nottingham Post

Rising energy prices could be driving struggling families to burn wood or ... Sensors were placed in houses where fuel-burning appliances were ...

RAWSEP View: Another municipality in the U.K. is given the news that residential wood burning produces unhealthy PM 2.5.

### **U.S. Western States**

[Western wildfires' health risks extend across the country | Science News](#)

Science News

The big problem is fine particulate matter, tiny particles also known as **PM2.5**. These bits of ash, gases and other detritus suspended in smoke are ...

RAWSEP View: This article mentions that PM 2.5 is produced from wildfires in the western United States.

[Dennis Mattison Weather 06-16-2022 - Sierra Wave](#)

Sierra Wave

He specialized in the monitoring, measurement and movement of **particulate matter 2.5** and 10 microns in size (known as **PM-2.5** and PM-10).

RAWSEP View: Why don't local weather stations cover PM 2.5 pollution along with rain and snow forecasts Dennis Mattinson was an EPA Program Director and an Air Quality Specialist. He specialized in the monitoring, measurement and movement of particulate matter 2.5 and 10 microns in size (known as PM-2.5 and PM-10)

### **Utah**

[New tool shows air pollution's path - @theU - The University of Utah](#)

@theU - The University of Utah

... of individual air quality sensors to show real-time and historical fine particle (**PM2.5**) pollution readings, wind speed and direction.

RAWSEP View: Air Tracker from the Environmental Defense Fund was unveiled in early June. The PM monitors also have different functions, and residential wood burning is not mentioned on the Air Tracker website.

### **Wisconsin**

[Debunking DEADLIEST craft hack, 34 dead | H2CT Ann Reardon - YouTube](#)

YouTube

Microwave transformers are one of the most horrifyingly dangerous things an amateur can get their hands on, and fractal **wood burning** is far from ...

RAWSEP: Start at **minute 11.04** of this YouTube viswo to see how fractal wood burning caused a house fires, or can even electrocute people while they are using the fractal wood burning tools.

[The art of Kyudo - YouTube](#)

YouTube

Fractal **wood burning**! Randy R. Randy R. •. Recommended for you. New · How to Speak. MIT OpenCourseWare. MIT OpenCourseWare.

RAWSEP View: This youtube video debunking fractal wood burning for decoration, which can result in electrocution, and in one case resulted in a house burning down, is not a video about residential wood burning for heat. However, it shows that attraction to wood burning can override common sense.

