

August 9, 2022, RAWSEP news paraphrased

The U.S. Midwest and the U.S. South

Indiana

[Bloomfield Fire reminds public of residential burning procedures](#)

Greene County Daily World

Wood products coated with stain, paint, preservatives, glue or other coatings are not allowed to be **burned**. • Residential open **burning** of clean **wood** ...

RAWSEP View: Fire Department in Bloomfield, Indiana reminds the public of residential burning procedures.

Minnesota

[Jan. 6, 2022 - Service home lost in Nov. fire: Century old home catches fire from neighboring trailer](#)

NRHEG Star Eagle

According to Shane, the trailer had a wood burning stove inside it that didn't have a proper top on the exhaust, but the fire was lit that evening ...

RAWSEP View: New Richland, Minnesota, a family of six's house burned down on November 2021 when 30-mile-an-hour winds carried an out-of-control fire in a nearby trailer to their home. The trailer had a wood burning stove inside it that didn't have a proper top on the exhaust, but the fire was lit that evening to warm the trailer. The husband and wife hope they will never again experience the destruction of their home. "I want every single room to have a fire detector," said the wife. "I don't want a fireplace in the new house. I don't want to ever see fire."

North Carolina

[How To Hook Up A Gas Stove - Raleigh Public Records](#)

Raleigh Public Records

... but they can also be used in places where electric or **wood-burning** ... Locate all of your stove's burners and make sure they are clean and ...

RAWSEP View: Raleigh, North Carolina, an article gave advice on how to hook up a gas stove.

Wisconsin

[American Lung Association: Launches Woodstove Changeout Program in Northern Wisconsin](#)

WisPolitics.com

"Replacing older high polluting stoves with new ones is an important way for communities to reduce harmful **particle** pollution and improve air quality, ...

RAWSEP View: In Northern Wisconsin, the American Lung Association launched a Woodstove Changeout Program. Will this bring the PM 2.5 pollution down from burning wood in a wood stove? Only if you **replace the stove with a gas stove**, which is one of the options of this program. Natural gas furnaces produce thousands of times less particulates than any wood stove. Vouchers are currently available for a range of criteria, from \$2,000 – \$6,000 per home. For the Northern Wisconsin program, Applications for vouchers are offered in-store or [online](#). The number of vouchers is limited. The American Lung Association is pleased to announce the launch of the Northern Wisconsin Woodstove Changeout Program, which provides funding to residents who want to replace old, wood-burning stoves with new, healthier heating appliances. <https://www.lung.org/media/press-releases/northern-wisconsin-woodstove-changeout-program#:~:text=The%20American%20Lung%20Association%20is%20pleased%20to%20announce,old%2C%20wood-burning%20stoves%20with%20new%2C%20healthier%20heating%20appliances.>

MILWAUKEE , WI | August 8, 2022

The American Lung Association is pleased to announce the launch of the Northern Wisconsin Woodstove Changeout Program, which provides funding to residents who want to replace old, wood-burning stoves with new, healthier heating

appliances. The program is for homeowners in the Wisconsin counties of Ashland, Bayfield, Burnette, Douglas, Iron, Sawyer and Washburn or the Tribal Reservations of the Bad River, Lac Courte Oreilles, Red Cliff, Lac du Flambeau or St. Croix Chippewa.

“Replacing older high polluting stoves with new ones is an important way for communities to reduce harmful particle pollution and improve air quality,” said Michelle Edwards, Wood Stove Changeout Program Coordinator for the Lung Association in Wisconsin. “The American Lung Association has long been committed to reducing residents’ exposure to wood smoke and we are proud to continue these efforts in Northern Wisconsin.”

The Woodstove Changeout Program works to improve outdoor and indoor air quality by removing old, high polluting, low efficiency wood stoves and replacing them with cleaner burning, more efficient EPA-certified wood, pellet or gas stoves. Through this process, the program lowers particle pollution emissions in the area. Particle pollution is made of soot or tiny particles that come from coal-fired power plants, diesel engines, wildfires and wood-burning devices. These tiny particles can get lodged deep inside the lungs and trigger asthma attacks, heart attacks and strokes. They can even cause lung cancer and early death.

The Woodstove Changeout Program supports local retail stove businesses who are working with the Lung Association. Participating retailers include: Duluth Stove & Fireplace in Duluth, MN; Energy Plus, Inc. in Duluth, MN; Fireside Hearth & Home in Eau Claire, WI; Nature’s Heat in Necedah, WI; Northwoods Stove and Fireplace in Hayward, WI and the Fireplace Corner in Duluth, MN. The Lung Association is collaborating with the North Central Hearth, Patio and Barbecue Association on this effort.

Vouchers are currently available for a range of criteria, from \$2,000 – \$6,000 per home. Applications for vouchers are offered in-store or online. The number of vouchers is limited. The Northern Wisconsin Woodstove Changeout Program may be combined with the Federal Wood and Pellet Heater Income Tax Credit to maximize savings.

For more program details, go to [Lung.org/woodstove](https://lung.org/woodstove) or call 1-800-548-8252.

About the American Lung Association

The American Lung Association is the leading organization working to save lives by improving lung health and preventing lung disease through education, advocacy and research. The work of the American Lung Association is focused on four strategic imperatives: to defeat lung cancer; to champion clean air for all; to improve the quality of life for those with lung disease and their families; and to create a tobacco-free future. For more information about the American Lung Association, which has a 4-star rating from Charity Navigator and is a Gold-Level GuideStar Member, or to support the work it does, call 1-800-LUNGUSA (1-800-586-4872) or visit: [Lung.org](https://lung.org).

2.The U.S. Northeast

New York

[The UN recently declared a universal human right to a healthy, sustainable environment ...](#)

Crossroads Today

A study by scientists at Harvard University looked at whether long-term average exposure to fine particulate matter (PM_{2.5}) was associated with a ...

RAWSEP View: The United Nations General Assembly voted overwhelmingly on July 28, 2022, to declare the ability to live in “ a clean, healthy and sustainable environment ” a universal human right. It also called on countries, companies and international organizations to scale up efforts to turn that into reality.

3.The U.S. West Coast

California

[Do wildfires put Californians at higher risk for lung cancer? - Medical Xpress](#)

Medical Xpress

Wildfires increases the amount of PM 2.5—fine inhalable particles—in the lungs, he said, and is known for causing lung cancer, asthma, ...

RAWSEP View: In California and across the country, more people are likely to die from lung cancer than any other cancer, the American Lung Association states in an August press release, as wildfire season is in full swing.

[UC Davis Study Suggests Air Pollution, Including During Wildfires, Shows Ill Effects in Children](#)

Sierra Sun Times

Additionally, PM2.5, which refers to **particulate matter** measuring **2.5** micrometers or smaller by the EPA, was linked to lower cardiac autonomic ...

RAWSEP View: Davis, California, New research linking air pollution data from federal monitors in the Sacramento area of California, including during significant fires, is showing ill effects of pollution exposure among children, a new University of California, Davis, study suggests.

[Study shows how poor air quality worsened COVID in Kern - Yahoo! Sports](#)

Yahoo! Sports

People living in areas with the highest levels of **PM 2.5** exposure in California, like the San Joaquin Valley, had a 20 percent higher risk of ...

RAWSEP View: Kern, California, Bakersfield's poor air quality is no surprise to area residents, but its nexus with COVID-19, as shown in a recent study by nonprofit Public Health Institute, indicates thousands of COVID deaths could have been prevented if the region's deadly emissions levels were lower.

New Mexico

[UNM: Join Indoor **Wood Burning** Study, Earn Up To \\$250 - Los Alamos Daily Post](#)

Los Alamos Daily Post

UNM: Join Indoor **Wood Burning** Study, Earn Up To \$250. Submitted by Carol A. Clark; on August 7, 2022; - 8:11 pm.

RAWSEP View: In Los Alamos, New Mexico, at the University of New Mexico, a Cancer Center is recruiting paid participants, who are indoor wood burners, for a Cancer Study.

Washington State

[Weekend Reads | Mapping Environmental Health Disparities | South Seattle Emerald](#)

South Seattle Emerald

Let's begin with the environmental hazards. The maps for diesel-exhaust **PM 2.5** pollution and for the presence of heavy vehicle traffic show what one ...

RAWSEP View: Seattle, Washington, the maps for more generalized PM2.5 and ozone pollution show a completely different picture (than PM 2.5 from traffic): Central and Eastern Washington are hit hard. Some of this is agricultural activity, but a large portion is due to forest fires — both the greater severity of fires and the lengthening fire season.

4.Canada

British Columbia

[RCMP investigating discovery of two bodies in **burning** car outside Summerland, B.C.](#)

Waterloo Region Record

Two bodies have been found inside a **burning** vehicle outside Summerland, ... Replacing **wood** with steel would make historic West Montrose covered ...

RAWSEP View: In West Montrose, British Columbia, two bodies have been found in a burning vehicle outside Summerland.

5.Australia

6.New Zealand

7.The U.K.

United Kingdom and Cambodia

[Revealed: Garment waste from Nike, Clarks and other leading brands burned to fuel toxic ...](#)

Greenpeace UnEarthed

The human impacts, in particular, are substantially worse than **burning wood** and have been highlighted in a recent UK parliamentary report as a ...

RAWSEP View: This brings up the question of whether neighbors of wood burners know if strictly only wood is being burned in residences of wood burners. In Cambodia, garment waste is burned, with human impacts even substantially worse than burning wood. This has been highlighted in a recent United Kingdom (U.K.) Parliamentary report.

8. Germany in the European Union, and Europe

Ukraine

[In Chernivtsiakh, establish devices for measuring the quality of air: what they show](#)

News84Media.com

Devices measure the concentration of fine particles: PM 1, **PM 2.5**, PM 10, as well as temperature, humidity and pressure.

RAWSEP View: In Ukraine, Chernivtsi get devices for measuring air quality. Now residents of the mentioned cities can apply for installation of a station in their home. Also similar stations will appear in Ivano-Frankivsk, Ternopil, Uzhhorod and Khmelnytskyi. Installation of air quality monitoring networks initiates the LUN Misto AIR command, which already has air quality monitoring networks in Kyiv, Lviv and Odesa. Stations developed thanks to cooperation with scientists of Kyiv National University of Shevchenko. Devices measure the concentration of fine particles: PM 1, PM 2.5, PM 10, as well as temperature, humidity and pressure. Thanks to this, citizens receive information about air pollution through car emissions and large-scale fires. "During the war, we have to fix Russia's crimes – particularly environmental ones. Our system will help with this. In addition, air quality is always important, because air pollution aggravates and provokes cardiovascular, pulmonary, respiratory diseases, and even has a bad effect on mental health" – comments the LUN Misto AIR curator.

[The US Is Filling a Void for Waste-Wood Due to Russia's War in Ukraine - Markets Insider](#) Markets Insider - Business Insider Western Europe uses waste-**wood** for energy production instead of coal, as **burning** pellets counts toward emission targets in Europe.

RAWSEP View: This article ends by saying that "Burning wood pellets is no cleaner than using coal for energy, environmentalists say, when accounting for total emissions." This article also says "Western Europe uses waste-wood for energy production instead of coal, as burning pellets counts toward emission targets in Europe." In RAWSEP's View the vote by the European Union may change the ubiquity of burning wood. The article goes on to say that Russia's war in Ukraine has upended waste wood exports to Western Europe and the US is filling the void. Wood-pellets originating from Belarus, Russia, and Ukraine are being held up and pushing prices higher. US exports of waste wood prices are at \$170 a ton compared to \$140 at the same time last year. So far this year, the US has moved 7.4 million metric tons of wood pellets abroad. Roughly 3 million tonnes needs to be replaced. A U.S. company signed new deals with German customers for five, 10 and 15 years. Natural gas and oil have also soared in Europe in response to the war.

9. Nigeria in Africa

10. India in Asia

Cambodia and United Kingdom

[Revealed: Garment waste from Nike, Clarks and other leading brands burned to fuel toxic ...](#)

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China

[Air pollutants & daily outpatient visits for AR association | RMHP - Dove Medical Press](#)

Dove Medical Press

Chu et al described the impact of atmospheric particulate matter and AR in Nanjing, and their results suggested that exposure to PM10 and **PM2.5** was ...

RAWSEP View: Results of a study in Chongqing, China. Allergic rhinitis (AR) is a severe and the most common chronic allergic disease, affecting 10– 40% of the world population. The effect of air pollutants on AR has been confirmed in clinical experiments. Air pollutants were associated with the daily outpatient visits for AR, which may have considerable implications for developing tailored health policies and services to prevent AR in Chongqing and even all over the world.

[China's 900-year-old wood arch bridge collapsed in fire - Global Times](#)

Global Times

The **burning** Wan'an Bridge Photo: China News Service via Sina Weibo. China's 900-year-old **wood** arch bridge known as the Wan'an bridge built in the ...

[China's 900-year-old wood arch bridge collapsed in fire - Global Times](#)

Global Times

"I speculate it was likely to be caused by man-made conducts and not a natural disaster, the spontaneous **combustion** of bridge on water is rare." Xu ...

RAWSEP View: In China, The Wan'an Bridge, a 900 year old arch bridge, collapsed in fire. Spontaneous combustion of a bridge on water is rare.

India

[Revamped plan to check air pollution in Delhi-NCR to come into force from October 1 - NYOOOZ](#)

NYOOOZ

Earlier, authorities would wait until **PM 2.5** or PM 10 concentration touched a particular threshold. Under the "severe plus" category, ...

[Revamped plan to check air pollution in Delhi-NCR to come into force from October 1](#)

Early Times

... to the projected levels of that stage. Earlier, authorities would wait until **PM 2.5** or PM 10 concentration touched a particular threshold.

RAWSEP View: The revamped Graded Response Action Plan, a set of anti-air pollution measures followed in Delhi and its vicinity according to the severity of the situation -- will come into force from October 1; 15 days before the usual date, according to the Commission for Air Quality Management.

[Delhi: Air pollution plan from Oct. 1 - Deccan Chronicle](#)

Deccan Chronicle

In previous years, GRAP was invoked when particulate matter — **PM 2.5** and PM 10 — concentrations stayed above 300 and 500 micrograms per cubic ...

RAWSEP View: **New Delhi, India:** The revised Graded Response Action Plan (GRAP) to deal with air pollution in Delhi-NCR this winter will come into force from October 1, according to the Commission for Air Quality Management (CAQM). An expert group constituted by the CAQM had suggested revisions to the existing GRAP that comprises measures to be taken when the air quality worsens in the National Capital Region. This year, the GRAP will be implemented differently — it will be **preemptive** and will be invoked three days in advance of the air quality reaching a certain level based on forecasts. In previous years, GRAP was invoked when particulate matter — PM 2.5 and PM 10 — concentrations stayed above 300 and 500 micrograms per cubic metre for 48 hours or more.

[No established mechanism to rank cities on pollution: Government to Lok Sabha](#)

The Hindu

According to the new WHO guideline issued last year, the average annual **PM 2.5** concentrations should be no higher than five micrograms per cubic ...

RAWSEP View: In India, No established mechanism to rank cities on pollution: Govt to Lok Sabha The government on Monday said there is no established mechanism for ranking cities in terms of pollution and that the satellite data used for the purpose by private institutions and universities is not validated by proper ground truthing.

10.5 Research Papers and Technology

[Air Pollution Affects Children's Cardiac Systems, Causes Inflammation: Study | NewsClick](#)

NewsClick

Global Air Pollution Report Says **PM 2.5** and Ozone Concentration Continue to Rise in India. Image Courtesy: Wikipedia.

Air pollution is linked to ...

RAWSEP View: The researchers found that blood samples manifested an elevated level of markers of inflammation, such as the interleukin-6, among children exposed to higher levels of air pollution. The researchers focused on particulate matters and how they impact children's health. Especially, they considered the PM 2.5 data obtained from the records of the EPA. The PM 2.5 are tiny particles that float in the air and are 2.5 micrometres wide. Remember, a micrometre is one-millionth of a meter. These tiny air pollutants are dangerous as they can penetrate the lungs and pass on to the bloodstream. The researchers found that the children's blood contained elevated levels of the markers for systemic inflammation. In addition, the researchers also analysed the ECG (electrocardiogram) of the children's hearts and found a link between PM 2.5 in lowering autonomic cardiac regulation. The researchers used EPA data containing the daily air quality summary information of the outdoor monitoring systems.

11.The Future