

Episode 56DE December 16, 2023. United Kingdom observes, studies, adverse wood smoke health effects. Napa letter.

United Kingdom, London, Chorley, and Manchester. The Guardian. [The health cost of burning wood to warm homes | Air pollution - The Guardian](#) Experts say wood-burning is not cheaper or truly renewable and constitutes a major health risk. The health cost of burning wood to warm homes. 15 December 2023. Dr Gesche Huebner (UCL Bartlett School Environment, Energy & Resources) said: “Wood burning is not a solution for reaching net zero or avoiding high bills for individuals. The health cost of burning wood to warm homes. December 15, 2023. [Dr Tom Smith](#) is a wildfires scientist, his [latest investigation](#) was closer to home. [Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates.](#) It took place on a weekend in early December. “I noticed the familiar smell of wood smoke inside my flat,” Smith said. “I’m well aware of its harmful health effects from my research, so I went outside with my portable pollution sensor in search of the source.” Air pollution in the street was even worse than indoors. “As soon as I got outside, the readings on my sensor jumped. A short walk upwind confirmed my suspicions: the pub opposite my estate had smoke billowing from its chimney. “Concentrations in front of the houses near the pub were even higher than outside my flat. Exposure like this over long periods of time will aggravate the heart and lungs of anyone in the smoke plume..” Smith’s experience is not an isolated example. Last winter, [researchers](#) from [Imperial College London surveyed wood and coal smoke in gardens and streets](#). There is further evidence from citizen scientists, including a [group of friends](#) who [track the smoke](#) that drifts across the gardens and into houses in Chorley, Lancashire. Last month I visited one of the [UK’s most advanced air pollution measurement sites](#), located in the south of Manchester, where [researchers](#) from the [University of Manchester](#) make detailed measurements of the gases and particles in the air. The roof is a forest of sample pipes sucking air into the instruments below. A laser scans the sky to search for pollution above and another set of lasers create a light curtain to measure rain and fog. [Dr James Allan](#) sat down at a computer screen and looked at data streams from the past 24 hours. It was clear that the particle pollution in the city had changed around sunset. In the evening the air contained smoke from home fires. Allan said: “At night in the winter we see high concentrations of particle pollution. The particles are smaller than 1 micron [a thousandth of a millimeter]. There is a lot of organic particles and black carbon, which we’d associate with soot.” He explained how his instruments detected wood burning using light of different wavelengths. “Soot from wood burning absorbs more ultraviolet light compared with fossil fuel emissions, and when we compare the daytime to nighttime readings we see this signature. It indicates wood burning is having a stronger influence at night.” Regular exposure has a health impact. A [recent study](#) estimated that [284 Londoners](#) a year are dying early due to outdoor air pollution from solid fuel heating. It also estimated that about 90 new cases of asthma in children, 60 new cases of stroke and 30 new lung cancer cases a year were linked to this pollution. This is a health burden of almost [£800 a year](#) created by the average person in [London](#) who uses a fireplace or stove. Research commissioned by the charities [Global Action Plan](#) and [Impact on Urban Health](#) used a [computer simulation](#) of two mid-terrace houses to investigate the [costs of different heating choices](#). The houses had simulated occupants. One housed a family with two children and the other a retired couple. The neighbourhood [health cost](#) from heating the homes with fossil gas central heating was about £25 a year. Adding a wood stove for 20% of their heating took the cost to about £160 for one of the most modern stoves, or more than £1,000 for an older stove design. This does not include [health harm](#) to the stove owners. [Dr Gesche Huebner](#), of University College London, one of the researchers on the study, said: “Wood burning is not a solution for reaching net zero or avoiding high bills for individuals. It is not cheaper, not truly renewable, but it constitutes a major health risk.” California, Napa Valley. [Letter: Wood smoke is harmful - The Napa Valley Register](#) Smoke from wood burning can cause coughing, wheezing, asthma attacks and heart attacks. On top of that, particle pollution exposure is linked to. Listen to this article now. [Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates.](#) While gathering around a fireplace the unfortunate reality is that wood smoke is made up of pollutants that can harm your family’s lungs. During the winter, wood smoke is the greatest source of air pollution in the Bay Area. This smoke is particularly dangerous to breathe as it is made up of fine particles that are so small, they can travel through the lungs and into the bloodstream and cause inflammation in other parts of the body. Smoke from wood burning can cause coughing, wheezing, asthma attacks and heart attacks. On top of that, particle pollution exposure is linked to increased risk of lung cancer, dementia, and even early death. As a respiratory therapist, I understand just how harmful breathing wood smoke can be, especially for those living with a lung disease, like asthma and COPD. Even one fireplace or wood-burning stove can generate levels of smoke that impact the air quality of an entire neighborhood. That’s why I urge residents to avoid burning wood this winter to protect the health of themselves, their loved ones, and their community. Visit the Bay Area Air Quality Management District’s website at [baaqmd.gov](#) to learn more about ways to reduce wood smoke pollution. And visit [Lung.org](#) or call 1-800-LUNG-USA for additional information about how to

protect your lung health year-round. A Napa, California, resident. Canada, Ontario. Heat Pumps offered free through the Energy Affordability Plan. <https://canada.constructconnect.com/dcn/news/resource/2023/12/income-eligible-ontario-residents-can-receive-free-cold-climate-air-source-heat-pumps> Through its Energy Affordability Program, Save on Energy is offering free cold climate air source heat pumps to qualifying Ontario households in order to help income-eligible residents of Ontario living in electrically heated homes lower energy costs. Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates. Income-eligible Ontario residents can receive free cold climate air source heat pumps. December 15, 2023. TORONTO. Through its Energy Affordability Program, Save on Energy is offering free cold climate air source heat pumps to qualifying Ontario households in order to help income-eligible residents of Ontario living in electrically heated homes lower energy costs. To qualify for the program and other free home upgrades, you must be a resident of Ontario, including those living in grid-connected First Nations; be responsible for paying a monthly electricity bill as a homeowner or renter; and reside in an electrically heated home. The type of energy efficiency upgrades a qualifying household may receive depends on household income level from the previous year and how many people live in the household, or on receipt of a qualifying government or energy-support benefit, states a release, adding residents of social housing may also be eligible. In addition to the pumps, which have a two-year free maintenance warranty and a 10-year equipment and labor warranty, qualifying households may also be eligible for other free energy efficiency upgrades offered through the Energy Affordability Program, including, and weatherstripping around doors and windows; attic and basement insulation; and smart thermostats and power strips. Headlines. United States. [Decarbonize Your Fireplace With An Electric Hearth - CleanTechnica](#) Burning wood releases harmful gas and particulate matter that leads to respiratory issues for people living in the home and around it. It's one of. Burning wood releases harmful gas and particulate matter that leads to respiratory issues for people living in the home and around it. It's one of the. These can be filled manually or connected to a water line to create vapor. Arizona, Phoenix. [Phoenix high temperatures are expected to hit nearly 80 by Saturday - AZ Family](#) smoke and vehicle. As we reported. California, San Francisco. [Bay Area air quality: First Spare the Air alert of the winter issued - San Francisco Chronicle](#) During Bay Area winters, smoke from wood stoves and fireplaces is the major source of fine particulate matter, or soot, the BAAQMD says. Fine. burn solid fuels including wood, fire logs and pellets in fireplaces, wood stoves and fire pits. Wood burning is banned for a full 24 hours on. Air quality is expected to deteriorate to unhealthy levels Friday because of increased smoke from wood burning, in combination with calm winds and low. California, Concord. [Burning vehicle near Concord leads to 50-acre vegetation fire - CBS News](#) A burning car near Concord early Friday morning led to a vegetation 1st winter Spare the Air alert of season issued for Friday; wood burning banned. California, San Francisco. [First 'Spare the Air' alert of the season sees wood burning banned in San Francisco](#) Air Quality News. particle pollution in San Francisco, a move which bans people from burning wood while the alert is in place.. 'Smoke from increased wood burning combined with light winds and low overnight temperatures is expected to cause unhealthy air quality. High pressure. California, San Francisco. [First 'Spare the Air' alert of the season sees wood burning banned in San Francisco](#) Air Quality News. burning wood, manufactured fire logs or any other solid fuel, both indoors and outdoors. 'Smoke from increased wood burning combined with light. California, San Francisco Bay Area. [1st winter Spare the Air alert of season issued for Friday; wood burning banned - CBS News](#) The Bay Area Air Quality Management District has issued the first winter Spare the Air alert of the season for Friday, banning the burning of wood. California, San Francisco. [1st winter Spare the Air alert of season issued for Friday; wood burning banned - CBS News](#) wood smoke to cause unhealthy air quality around the Bay Area. A high pressure system over the region will act like a lid, trapping smoke close to. California, San Francisco. [First winter Spare the Air Alert of season issued for Friday; no wood burning allowed](#) KRON4 People concerned about wood smoke pollution can call (877) 4NO-BURN or visit [www.baaqmd.gov](http://www.baaqmd.gov) to file a complaint or get more information. California, San Francisco. [San Francisco Wood Burning Banned During Spare the Air Alert by Bay - Hoodline](#) San Francisco's air quality district bans wood burning during a Spare the Air Alert due to unhealthy air conditions from stagnant weather. California, San Francisco. [Spare the Air alert extended as Bay Area air quality reaches unhealthy levels](#) San Francisco Chronicle. smoke from wood burning and winds bringing in pollution from the Central Valley. The Bay Area air Quality Management District issued the winter. Michigan, Cascade Township. [3 injured in GR house fire - YouTube](#) Deputies: Man found dead in woods in Cascade Township. WOOD TV8 New 488 Inside a burning house. The Columbian. Oregon, Eugene. [Weather Status | Eugene Daily News](#) Eugene Daily News. Cottage Grove: The Air Quality Index is 59 in the Moderate category measuring Particulate Matter. Burning wood in wood stoves or fireplaces is. Utah. PM2.5 and Airview sensors. [AirView sensors use data to monitor Utah's air quality, pollution issues - Fox 13](#) They focus in on particles that are classified as PM (Particulate Matter) 2.5. "So PM 2.5, which is a fine particulate that you can breathe in. United Kingdom. ["Taking a lead": UK Parliamentarians laud India's rise, PM Modi's leadership - YouTube](#) "Taking a lead": UK Parliamentarians laud

India's rise, PM Modi's leadership. 2.5K views · 40 minutes ago #london #ukraine #pmmodi more. ANI. China. [Northeast China faces high levels of nitrogen pollution, study finds - Phys.org](#) It can also contribute to the formation of fine particulate matter (PM2.5) and ozone depletion, which are harmful to human health. The study. India, Delhi. [With average AQI at 323, Delhi air remains in 'very poor' zone - The Statesman](#) PM 2.5 particles as per the data of the pollution control agency. The PM 10 and PM 2.5 micro particles are those pollutants that are small enough. Thailand, Bangkok. [30 provinces remain mired in PM2.5 - Bangkok Post](#) Thirty provinces, including Bangkok, remained gripped by high levels of fine particulate matter smaller than 2.5 microns (PM2.5) yesterday as fine. Thailand, Bangkok. [Less air pollution today in Bangkok, cooler next week for most of Thailand | Thai PBS World](#) Ma Charoen Phet Kasem 81 Road in Nong Khaem district, 48.5µg. Tags: Bangkok. better · PM 2.5 · Thailand. Share Post. Thailand. [10 ways to safeguard your skin against PM 2.5 dust - Nation Thailand](#) Many parts of Thailand, Bangkok included, are currently facing high levels of pollution from particulate matter, notably PM 2.5. PM2.5 and health impacts. [First close insight into global daily gapless 1 km PM 2.5 pollution, variability, and health impact](#) Nature. Exposure to PM2.5 (particulate matter with aerodynamic diameters  $\leq 2.5 \mu\text{m}$ ) pollution is associated with a variety of circulatory and respiratory. PM2.5 and preterm birth. [Study underlines air pollution link to increased risks of pre-term birth, birth weight and](#) Down To Earth. The study looked at the links between three ambient air pollutants [nitrogen dioxide (NO<sub>2</sub>), fine particulate matter (PM) 2.5