

Episode 56ZP November 5 2024. Ecodesign models emit 750 times more PM2.5 than a modern HGV. In Episode 56ZP 1 World 2 United States 3 Arkansas Hot Springs. Fire chief. Counties lift burn bans. Permit still needed. **RAWSEP View.** This on and off allowing or permitting of residential wood burning is not truly helpful in stopping polluting emissions from wood burning. 4 California. Residential wood smoke reduction program begins November 1, 2024. Westside Connect. Residential wood burning is one of the Valley's largest sources of wintertime PM2.5 emissions and directly affects neighborhood air quality. 5 Massachusetts 6 Wisconsin. **RAWSEP View.** Heat pumps are not only energy efficient. Heat pumps are clean energy sources which do not emit PM2.5 or CO2. 7D United Kingdom Coventry. **RAWSEP View.** The key word in this article is a Britain wide poll. 7G United Kingdom. Log burner owners issued with urgent warning over £300 fine as temperatures drop. **RAWSEP View.** It is not lucky that some wood burning stoves are exempt from these fines for polluting wood burning. Being exposed to emissions from wood burning is not a lucky happenstance. 7H United Kingdom. **RAWSEP View.** The key number in this article is 750. UK Ecodesign wood stoves emit 750 times the air polluting PM2.5 as UK heavy duty trucks. 8 India Diwali air pollution. 9 Pakistan. Record high air pollution shuts schools in Pakistan's Lahore. Main Content. 1A World. As Wood Energy Rises Experts Warn Biomass is a False Solution. Wood Central. **RAWSEP View.** This article falsely states that biomass is carbon neutral. This is a falsehood. Carbon Neutrality of Wood Burning is a scientifically debunked falsehood used to justify wood burning by the wood burning industry. From the article. wood pellets. Experts warn that burning wood for energy is not the sustainable solution it claims to be. While biomass is often carbon neutral. 1B World. Industrial Wood Pellets Are Not Renewable Clean Energy. Earthjustice. wood pellets to Europe and Asia to burn in power plants for electricity. Due to a long admitted carbon accounting loophole wood pellet burning. **RAWSEP View.** The scientifically debunked loophole which allows wood burning is Carbon Neutrality of Wood Burning. This loophole allows all countries in the world to erase and ignore wood burning emissions when calculating whether each country is meeting its Climate Goals of reducing air polluting emissions. 2A United States. Can Heat Pumps Still Save the Planet from Climate Change? Slashdot. Heat pump investment in the United States has dropped by 4 percent in the past two years even as sales of EVs have almost doubled according to data. 2B United States. The government wants to pay you \$10,000 to upgrade your HVAC. MSN. That's why the federal government is willing to contribute up to \$10,000 to help you switch from a traditional HVAC unit to a heat pump. 3 Arkansas Hot Springs. Fire chief. Counties lift burn bans. Permit still needed. **RAWSEP View.** This on and off allowing or permitting of residential wood burning is not truly helpful in stopping polluting emissions from wood burning. From the article. Hot Springs Village Voice. Hot Springs Village Fire Chief Jason Miller announced via email at 10:44 a.m. today, Monday, November 4 that the burn ban has been lifted in Saline and Garland counties. "However, please remember that recreational wood-burning fire pits still require a permit from the fire department," he wrote. 4 California. Residential wood smoke reduction program begins November 1, 2024. Westside Connect. Residential wood burning is one of the Valley's largest sources of wintertime PM2.5 emissions and directly affects neighborhood air quality and public health. The Valley Air District urges all Valley residents to help reduce harmful PM2.5 particulate matter 2.5 microns and smaller emissions and heat. 5 Massachusetts Boston. Temperature of Charles River can be exploited as renewable source of energy. WGBH. Recently, meaning the last ten years or so, heat pumps have popped up everywhere because that is our next step in making our district heating system. 6 Wisconsin. **RAWSEP View.** Heat pumps are not only energy efficient. Heat pumps are clean energy sources which do not emit PM2.5 or CO2. Landlords are also eligible for Heat Pump Rebates along with individual home owners. From the article. UW study highlights disparities in heat pump usage. Wis Business. A new UW Madison study finds minority communities and those with more renters are less likely to use heat pumps an energy efficient alternative. 7A United Kingdom. Aira launches new slim and compact heat pump unit. HVP Magazine.



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AIRA HEAT PUMPS. Aira has announced the Aira Indoor Unit Compact, claimed to be one of the slimmest most flexible heat pump solutions on the market. 7B United Kingdom. Aira launches 'Scandi style' heat pump in the UK. Business Green News. Clean heat technology manufacturer Aira has today launched a new minimalist 'Scandi style' heat pump that it claims is one of the slimmest models. 7C United Kingdom Cornwall. Log burners wood burning stoves and open fires 'should be banned'. Cornwall Live. Even homes with eco wood burners are three times more polluted than those without. Wood burners and open fires produce more harmful PM2.5 than road transport. 7D United Kingdom Coventry. **RAWSEP View.** The key word in this article is a Britain wide poll. Log burners wood burning stoves and open fires should be banned according to poll. Coventry Telegraph. A third of British residents believe that log burner installation should be banned in the UK due to the harmful effects on the environment and. 7E United Kingdom Lancashire. Wood burning stoves should be banned from all homes by 2027 report says. Lancs Live. The Government has been urged to act after a number of reports linked the use of wood burning stoves to serious health and environmental problems. Wood burning stoves should be banned from all homes by 2027 report says. 7F United Kingdom Leicestershire. Building 'severely' damaged in fire that forced Leicestershire road closure. Leicester Mercury. smoke billowing from multiple windows. The fire prompted the Wood burning stoves should be banned from all homes by 2027 report says. Leicestershire Live. Despite smoke control areas and restrictions on what can be burnt wood burning remains a significant source of emissions. Since 2022 new wood. 7G United Kingdom. Log burner owners issued with urgent warning over £300 fine as temperatures drop. **RAWSEP View.** It is not lucky that some wood burning stoves are exempt from these fines for polluting wood burning. Being exposed to emissions from wood burning is not a lucky happenstance. It is unlucky especially for near neighbors of indoor residential wood burners exposed to life threatening and life shortening PM2.5 emissions. This publication assumes that if the temperature in the temperate UK drops that a logical person would begin to burn wood and pollute his environment. This publication does not assume that in a modern society with Heat Pump Rebates there are clean and cheaper thanks to the government alternatives to wood burning for home heating. The Mirror. Breaching these rules could result in fines ranging from £175 to £300. Luckily wood burning stoves are considered exempt appliances in these areas. 7H United Kingdom. **RAWSEP View.** The key number in this article is 750. UK Ecodesign wood stoves emit 750 times the air polluting PM2.5 as UK heavy duty trucks. The UK Definition of an HGV is a lorry (truck) with a plated weight of 3.5 tons or more (the plated weight is the maximum permissible weight of a vehicle when loaded). In 2022, 1.64 billion tons of goods were lifted by Great Britain GB-registered HGVs operating in the UK. The following headline states that Ecodesign stove (the cleanest burning stove in the United Kingdom) indoor residential wood burning emits 750 times the PM2.5 as a modern heavy duty UK truck. This may explain why percentage of PM2.5 emissions from indoor residential wood burning in the UK has eclipsed percentage of PM2.5 emissions from transport in the UK in the last few years. It is known that indoor residential wood burning is a fad, a fashion and a folly, done by urban affluent wood burners who can afford other home heating alternatives. And wood burning is not cheaper than clean alternatives for home heating, since the power plant source energies of wind, solar and geothermal have become cheaper and the household alternative energy source of Heat Pumps has had its price slashed by Heat Pump Rebates in recent years in the UK, just as the United States is also offering Heat Pump rebates of up to \$8,000 based on a sliding income scale in 2024. Will the affluent who primarily use wood stoves or the middle or low income who use wood stoves be economically hurt if wood stoves are banned in the United Kingdom by 2027? No, because of the cheaper cost of alternatives and the Heat Pump rebates available in the United Kingdom. Is wood burning physically addictive like alcoholism or nicotine containing cigarette smoking? No, wood burning is not physically addictive. Just stop burning wood and other solid fuels. The emphasis on stopping burning fossil fuels will



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A promotional graphic for 'Mums for Lungs'. It features a woman in a white t-shirt with a green circular logo on the back that says 'MUMS FOR LUNGS'. She is standing outdoors, looking at a white bag with a green letter 'A' on it. The background is a teal color with a white cloud-like shape. In the top right corner, there is a small white circle with the text 'MUMS FOR LUNGS'. A large pink banner at the bottom right says 'Sign up for our newsletter'. At the bottom left, there is a small 'MUMS FOR LUNGS' logo and the text 'Mums for Lungs 15 hours ago'.

eventually stop companies from seeking profits from another increasingly obsolete fuel that emits air polluting and climate changing CO2 and some PM2.5, but wood burning in fact emits 2.8 times the CO2 and PM2.5 as coal burning as a conservative estimate. In real life, the UK Drax power station which used to use coal burning, when it replaced coal burning with wood burning, the PM2.5 emissions increased by 400 percent or by four times. And wood burning emits 450 times the PM2.5 as the fossil fuel natural gas burning. Although natural gas is a fossil fuel because of its much lower PM2.5 emissions than wood burning should be used as a bridge to the clean alternatives of wind, solar and geothermal until those clean alternatives can realistically attain 100 percent of the market. It is heartening to see news stories deal with the reality of the air pollution from wood burning and it is heartening that the truth about the cleanest burning wood stove in the UK is discussed. There is no clean burning wood stove. There is a reason that man turned away from wood burning. Now the alternatives that are truly clean for home heating are here and are affordable. It is no sacrifice to end wood burning. The cost of increased healthcare and funeral costs for enduring and breathing in wood smoke eclipses any cost to an individual wood burner for trading in their wood stove for a Heat Pump which is all or largely paid for by a Rebate. **RAWSEP** is heartened by the report of the European Environmental Bureau that they are listening to science and heeding the warnings of the health effects of PM2.5, particulate matter of 2.5 micrometer size, the perfect size to infiltrate the human lung setting off a cascade of human health problems and early deaths. The main campaigners mentioned in this article are a group called Mums for Lungs and they have 4 requests of the UK government. The UK has a group called Woodsure which seems to be misnamed just as a possibly similar group in the United States is misnamed Burnwise. **RAWSEP View.** It is never wise to burn wood. Just don't burn wood to begin with and in the modern world choose clean alternatives for home heating. Woodsure seems to be patting the hand of the near neighbor of an indoor residential wood burner whose wood smoke is entering the yard of the near neighbor and sickening them. Does Woodsure think that by burning dry wood or taking other half measures, such as weakly improving the unimprovable wood stove, the PM2.5 emission problem from wood burning is eliminated? Not so. Improvements to wood stoves often rest on shunting the emissions to near neighbors through more thoroughly sealed venting within the wood burners home. That takes the health problems from the wood burner and puts them squarely on the near neighbors. The science doesn't support wood burning for home heating in a modern world where emissions can be measured, by PM2.5 monitors. The PM2.5 levels can be trusted and anyone who chooses to burn wood instead of clean, cheap alternatives is putting their health and more importantly the health of their near neighbors acting as canaries in a coal mine and their surrounding neighborhoods at ill health and early death risks and incrementally contributing to hastening climate change. Mums for Lungs apparently feels a new Labour government will be more amenable to listening to the science and health statistics of the harm to human health of burning wood. **RAWSEP article excerpt.** Mums for Lungs are calling on the Government to 1 Phase out the sale of new wood stoves by 2027 and ban the use of wood burners unless the only source of heat by 2032 at the latest. 2 Label wood burning stoves as harmful to better educate consumers. 3 Provide effective powers to local authorities to stop unlawful burning, with all wood burners registered with local authorities, to enable enforcement. 4 Launch a public health campaign to raise awareness of the dangers of wood burning stoves. From the article. **Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates, a 501c3 nonprofit organization.** Wood burning stoves should be banned from all homes by 2027 report says. Yahoo News UK. According to the European Environmental Bureau Ecodesign models can emit an astonishing 750 times more tiny particle pollution than a modern HGV. Campaigners are urging the Government to consider banning wood burning stoves from UK homes, following serious health and environmental concerns linked to these appliances. Despite smoke control areas and restrictions on what can be burnt, wood burning remains a



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significant source of emissions. Since 2022, new wood-burning stoves have had to meet emission targets, meaning they burn cleaner and are labelled Ecodesign. The fuel used in these devices is also strictly regulated, with only wood containing 20 per cent or less moisture, certified by Woodsure and HETAS, permitted for burning. However, pressure groups and scientific studies have highlighted the severity of the ongoing issue. According to the European Environmental Bureau, Ecodesign models can emit an astonishing 750 times more tiny particle pollution than a modern HGV truck. Furthermore, a report by Professor Chris Whitty, England's chief medical officer, found that Ecodesign models in homes produce 450 times more emissions than gas central heating. These findings have led campaign group Mums for Lungs to call for a ban on wood burners. The domestic burning of wood is the largest emitter of PM2.5, a serious pollutant to human health, and stoves have recently been associated with nearly 50 percent of people's exposure to carcinogenic chemicals found in air pollution particles within urban areas. Wood burning in towns and cities contributes to thousands of premature deaths each year, predicted to be up to 38,000 in England alone. Despite this, around 1.5 million wood burners are present in UK homes, with over 200,000 being installed every year. On 1st May 2021, new restrictions (part of the government's clean air strategy) came into force in England. Bagged coal and wet wood of less than 2 cubic metres can no longer be sold, and wet wood in larger volumes must be sold with advice on how to dry it before burning. All manufactured solid fuels must have a low sulphur content and only emit a small amount of smoke. Mums for Lungs added: "In January 2023 the Government published its Environmental Improvement Plan, the five-year update to the 25-year Environment Plan. To start work to meet the air pollution targets set out in the Environment Act, a plan was produced to reduce the amount of smoke that new stoves can emit in smoke control areas, from 5g of smoke per hour to 3g. Local authorities were to be instructed to consider using powers to issue on-the-spot civil penalties, ranging from £175 to £300. However, these proposed changes were never made law, so they were unfunded and unenforceable by local authorities. Prior to the change in government in Summer 2024, all Defra would say was that it was "preparing policies to tackle domestic emissions". It remains to be seen whether a Labour government will step up on this issue. Defra are carrying out a rapid review of the Environment Improvement Plan and we look forward to the findings late in 2024. 8A India. Delhi air at season's worst as winds slow down dispersion. Hindustan Times. PM2.5 particulate matter having diameter less than 2.5 microns and PM 10 dominant pollutants. At 4pm 14 of these stations clocked severe, 8B India Delhi. 'Firecrackers ban hardly implemented what steps taken'. SC to Delhi govt police commissioner. Deccan Herald. particulate matter PM2.5 was 13 per cent higher at midnight on Diwali this year compared to 2022 and 2023. It also found that PM2.5 levels. 8C India Jalandhar. Thick layer of haze in city pushes AQI down to 500. Tribune India. PM2.5. Interestingly in comparison to the peripheral areas Jalandhar has recorded fewer farm fires however the city's AQI has. 9 Pakistan. Record high air pollution shuts schools in Pakistan's Lahore. Al Jazeera. The concentration of PM2.5 or tiny particulate matter in the air approached 450, a level considered hazardous. The government has shut. Pakistan shuts primary schools for a week in Lahore due to dangerous air quality. WTOP. The concentration of PM2.5 or tiny particulate matter in the air approached 450 considered hazardous the Punjab Environment Protection Department. Pollution Panic. Pakistan Schools Shut as Smog Chokes Lahore. Agencia EFE. PM2.5 levels, tiny particles with a diameter less than 2.5 microns and extremely harmful to health, of 674 micrograms per cubic meter of air. Primary schools in Lahore closed for a week as air quality plummets. Mathrubhumi English. The Punjab Environment Protection Department reported that the concentration of PM2.5, tiny hazardous particulate matter, neared 450 a level deemed. Pakistan's second largest city shuts down schools with air pollution above dangerous levels. Yahoo News Canada. It went far beyond the threshold of 300 PM2.5, fine particulate matter of 2.5 micrometres or less in diameter, which the World Health Organization.



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