

Episode 56OW January 12, 2024. Four heat pump makers develop successful sub-zero prototypes in the U S

In Episode 56OW 1) Four heat pump makers develop successful sub-zero prototypes in the U S 2)California wood pellet plants protested. 3) Fewer children suffer from asthma as Poland tackles air pollution, says expert 4) Wristband monitors provide detailed account of air pollution exposure. 5)Wood Smoke Stories, a former near neighbor says Pellet stoves pollute too. 6)Headlines 7)Putting baby in a corner by taking away the wood burning stove or fireplace. 8)Azerbaijan (which goes along with Russian aggression against Ukraine) selected for next COP28 location, at the insistence of Russia.

1)United States. Competition to develop sub zero prototypes of Heat Pumps yields 4 winners.

<https://electrek.co/2024/01/08/four-heat-pump-makers-successful-sub-zero-prototypes-us/?fbclid=IwAR2jqzWC19A-E1rR5JnwYgrcBQDXzxfXDGLDHLc3hGAF-6xTMr90osxm68Q>

Four heat pump makers develop successful sub-zero prototypes in the U S January 8, 2024. [111 Comments](#) Four more heat pump manufacturers have successfully developed cold-climate prototypes as part of the Department of Energy's (D O E) [Residential Cold Climate Heat Pump Challenge](#). To take part in the Challenge, manufacturers' heat pumps must deliver 100% heating capacity without the use of auxiliary heat, with significantly higher efficiencies at 5F (-15C), and ideally operate at -15F (-26C), among [other specifications](#). In December 2022, Johnson Controls, now officially part of the Challenge, announced that it had developed an air source heat pump prototype that can operate in temperatures below -20F (-29C) as part of the DOE's challenge. In addition to Johnson, Bosch, Daikin, and Midea will join previously announced partners Lennox International, Carrier, Trane Technologies, and Rheem in having successfully passed the lab testing stage, and will now move into the field testing phase of the Challenge. More than 23 prototypes will be installed and monitored in various cold-climate locations throughout the US and Canada over the next year. The DOE's Residential Cold Climate Heat Pump Challenge is aiming for deployment programs and commercialization this year. It's working with nearly 30 states, utilities, and other partners to encourage cold-climate heat pump adoption. Cold-climate heat pumps can save households \$500 a year or more on their utility bills while also slashing carbon emissions. Additional savings are available through the Inflation Reduction Act's Energy Efficient 25C Tax Credit, which provides households with a 30% tax credit for heat pumps, capped at \$2,000 per year. Further, for low-income households (under 80% of the area median income), the upfront Electrification Rebates cover 100% of heat pump costs up to \$8,000. For moderate-income households (between 80-150% of the area median income), the Electrification Rebates cover 50% of heat pump costs up to \$8,000. Top comment by [Paul McGown](#) There are many homes that are heated with electric baseboard heaters. Cold weather mini-split heat pumps are a "quick win" in those cases. The fact that they do double duty as A/C is a bonus. [View all comments](#) Read more: [Here's how much money you'll get with the Inflation Reduction Act](#) RAWSEP View: In June 2023 statistics show that a solar panel statewide network in New York State experienced 50% loss of efficiency of solar panels during the Canadian wildfire (wood smoke) incursion into New York State. Using solar panels plus a wood burning stoves defeats the purpose of using clean energy solar panels, because the wood burning stove pollutes while at the same time reducing the efficiency of solar panels. **Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates, a 501c3 nonprofit organization.** If you live in an area that has frequent natural disaster events, and are interested in making your home more resilient to power outages, consider going solar and adding a battery storage system. To make sure you find a trusted, reliable solar installer near you that offers competitive pricing, check out [EnergySage](#), a free service that makes it easy for you to go solar. They have hundreds of pre-vetted solar installers competing for your business, ensuring you get high quality solutions and save 20-30% compared to going it alone. Plus, it's free to use and you won't get sales calls until you select an installer and share your phone number with them. Your personalized solar quotes are easy to compare online and you'll get access to unbiased Energy Advisers to help you every step of the way. Get started [here](#).[Comments](#) about new Heat Pump prototypes (on Facebook) **Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates, a 501c3 nonprofit organization.** Commenter 1. Love this, thanks! Amazon has a propane Big Buddy heater (\$300) that will warm up to 700 square feet indoors for five hours on one small tank. For emergency power outages there are alternatives to using wood stoves. Commenter 2. it's not perfect, but it's a heck of a lot better than a wood heater! Thanks for letting us know about it. 2) California.

https://www.forestsforever.org/campaigns/action/act-e2023Dec_Biomass.html?fbclid=IwAR3--7nY6v9Hmh6iuBXeyYgieBcgCVfXKqeMgbWhyLU4ughqhchJd_EfCcM

Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates, a 501c3 nonprofit organization.

The controversial effort by Golden State Natural Resources to build forest-stripping pellet plants in the name of green energy must be stopped! These California industrial facilities would produce about one million tons of wood pellets a year for export to destinations such as Japan, Korea and the UK. Our forests and communities cannot bear such a burden!

3) Poland. [Fewer children suffer from asthma as Poland tackles air pollution, says expert](#) Energy Live News. So, burning of coal and wood in households is responsible for 80% of particulate matter emissions.' Whereas heating in houses is the main problem. Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates, a 501c3 nonprofit organization. 'One of Krakow's doctors has been following the health of children. She is focusing on asthma cases and it turns out that the incidence of asthma symptoms has decreased from 22%, which is one-fourth of Krakow's children, to 9% in ten years.

4) United States. [Wristband monitors provide detailed account of air pollution exposure - Newswise](#) limit exposure to wood smoke. Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates, a 501c3 nonprofit organization. Wristband monitors provide detailed account of air pollution exposure. Environmental epidemiologists at Columbia University Mailman School of Public Health, in collaboration with an interdisciplinary team of researchers at Oregon State University, Pacific Northwest National Labs, and Mount.

5) Wood Smoke Story by a former near neighbor of an indoor residential wood burner. Pennsylvania & Washington State. <https://www.dsawsp.org/personal-stories/pellet-stoves-pollute-too> [Wood Smoke Stories](#) Pellet stoves pollute too. Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates, a 501c3 nonprofit organization. I would like to share my own personal experience breathing the emissions from a nearby pellet stove about a decade ago. Pellet stove emissions are NOT CLEAN. Pellet stoves do not belong in densely populated URBAN areas! I was forced to sell my home of twenty years in densely populated Bellevue Borough, PA, in order to escape from the smoke of wood burning neighbors. In searching for another place to live I almost bought a small affordable-to-me house in the economically depressed City of Dunkirk, NY. I was interested in moving to Dunkirk because I read in the local newspaper that the city fire chief was serious about enforcing a ban on open burning there, which I was trying to escape. I had a contract to purchase the house and went for the final walk-through inspection. But where I would have been parking and needing to shovel all winter, even if not daily, happened to be downwind of the next door neighbor's stove pipe. I did not realize that fact. But it was a brisk early fall day, out there with the code inspector. I was perplexed when I began to feel sick in the same way that I typically felt in Pennsylvania when my neighbors were burning wood. But, strangely, there was no odor of wood smoke at all. I mentioned the symptoms I was having, with my throat getting sore, ears plugging and sinus/nose irritation beginning while standing out in that yard. The officer told me that he had recently done the installation inspection for the next door neighbor's new pellet stove. And he pointed out the big shiny stainless steel pipe that was running up the side of their house. I had to break that contract to buy the house beside Lake Erie due to the illness I felt from that neighbor's pellet stove. The EPA should not fund more air pollution in our neighborhoods by continuing to subsidize log or pellet burning appliances or fuel. Polluting low income neighborhoods with toxic emissions from wood combustion of any kind is NOT environmental justice. Subsidies should only go to new clean home heat systems that do not spew sickening contaminants directly into our neighborhoods. We who are the victims of wood smoke must speak out against it.

6) Headlines. PM2.5 & Kidney Disease. [Association of fine particulate matter \(PM2.5\) exposure and chronic kidney disease outcomes](#) Nature. Therefore, we conducted this meta-analysis to examine the association between long-term PM2.5 exposure and CKD outcomes. A literature search was. PM2.5 & effect on Bone Marrow. [Effects of fine particulate matter on bone marrow-conserved hematopoietic and - Nature](#) However, while the impact of PM2.5 on the respiratory and cardiovascular systems has been well studied, less is known about the effects on stem cells. World. [How megacities are tackling air pollution – DW – 01/11/2024](#) This analysis focused on one measure of air pollution: PM 2.5, fine particulate matter made of various kinds of solid particles and liquid. United States. [Best Electric Fireplaces of 2024 | U.S. News](#) USNews.com Don't expect it to be as powerful as a gas or wood-burning fireplace – electric fireplaces generally aren't – but the Duraflame punches above its. United States. [Smoke reduced life expectancy across Washington - Wildfire Today](#) During the cold season, the largest contributor to air pollution was usually smoke from wood-burning stoves or furnaces. Residents of the studied. Louisiana. [Louisiana Washington Parish man killed house fire space heater - WDSU](#) Don't overfill fireplaces/wood-burning stoves; Do not leave candles/open flames (or space heaters) left unattended; Have working smoke alarms in. Maryland, Calvert County. [Hero Rescued Elderly Parents From Fast-Moving Fire In Calvert County That Destroyed Home](#) Daily Voice. Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates, a 501c3 nonprofit organization. The fire, caused by combustibles that

were in the area of a wood burning furnace, rapidly spread, but through circumstances surrounding the 88. A man visiting family in Calvert County was able to save his elderly parents from a fast-moving fire that burned an Owings home to the ground on Monday morning. Shortly before 4:20 a.m. on Jan. 8, crews from the Huntingtown Fire Department were called to the 8000 block of Mount. Missouri. [Firefighters in the Ozarks remind homeowners to monitor wood & pellet stoves - KY3](#) Firefighters at the [Researchers: Dangerous levels of black carbon found in Mississippi - WJTV](#) Black carbon is a component of PM 2.5 air pollution, according to researchers. They said the pollution is linked to an increased risk of cancer Mississippi. [Ole Miss study: 'Dangerously high' levels of soot found in 6 cities - SuperTalk Mississippi](#) The dangerous material is a component of PM 2.5 air pollution, meaning that particles are 2.5 microns or smaller. This type of pollution is. Mississippi. [Black Carbon, better known as 'soot,' found in dangerous levels across Mississippi](#) Magnolia State Live. “At all six locations, it was above the EPA's threshold of what is a normal cancer risk.” Black carbon is a component of PM 2.5 air pollution, which. Mississippi. [Dangerous levels of black carbon found across Mississippi, Ole Miss researchers report](#) Magnolia State Live. Black carbon is a component of PM 2.5 air pollution, which means that particles are 2.5 microns or smaller. This type of pollution is regulated by. Canada. [3 people hospitalized following carbon monoxide exposure, fire department warns of risks](#) CBC You might be using your fireplace, whether it be wood-burning or gas, even starting your vehicle to let it warm up. We see people doing that in. Canada, British Columbia, Kelowna, Lake County. [Lake Country residents asked not to call 911 about prescribed burn on Spion Kop - Kelowna News](#) Castanet. The District of Lake Country is asking residents not to call 911 or the fire department about smoke rising from the Spion Kop behind The Lakes Canada, British Columbia, Vernon. ['Zombie fire': Crews work to douse wood chip blaze at Greater Vernon landfill](#) Vernon Matters. Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates, a 501c3 nonprofit organization. If you see smoke coming from the Greater Vernon landfill, there is no cause for concern. The fire departments. It's what we call the zombie fires — they sit and burn underground for a long time and then they burst up,” landfill staff are operating the machinery to tear the pile apart, while each fire department has five members on the site. A fire in a wood chip pile at the Greater Vernon landfill is now officially out. The BX-Swan Lake Fire Chief confirmed ten firefighters from his department and Coldstream spent the day working with landfill staff to douse the stubborn blaze that was caused by spontaneous combustion. India. Alphabetical by Article Title. India, 7 cities. [7 Most Polluted Indian Cities in 2023 - WION](#) The western Uttar Pradesh (UP) city, Ghaziabad recorded PM 2.5 at 78 in 2023. #6 Meerut. Near Noida, another UP city, Meerut recorded PM 2.5 at 81.2 India, 49 cities. [Majority of cities far from clean air target, says study - The Hindu](#) In 49 cities whose particulate matter numbers were consistently available for five years, 27 cities showed a decline in PM 2.5 — considered the most. India. [Air and Climate Report: January 2024 | Troutman Pepper - JDSupra](#) particulate matter (PM2.5). EPA has proposed to reduce the annual PM2.5 standard from 12 micrograms per cubic meter (ug/m3) down to either 9 or 10 India, Delhi. [Air in Delhi, Patna most polluted, Navi Mumbai worsening: 5-year NCAP analysis | News](#) Eco-Business. The NCAP's initial target was to reduce two key air pollutants, PM10 and PM2.5 (ultra-fine particulate matter), by 20-30 per cent by 2024, with 2017 India. [Breathing India's Air - Wilson Center](#) The health risks in such pollution are very real. Fine particulate particles—what scientists refer to as PM 2.5—are made up of specks of sulfate. India, Delhi. [Delhi used only 28% of funds allotted under clean air programme: Report](#) The Indian Express. In the last five years, despite a fall PM 2.5 levels by around 5.9%, Delhi is still far from achieving targets under the National Clean Air. India, Meghalava. [Meghalaya town, not Delhi, had 'most polluted' air in 2023 — report on 5 yrs of govt clean air scheme](#) ThePrint. Particulate matter of less than PM 2.5 in size is believed to pose the greatest health risk. While the air pollution in the national capital has. India. [Mixed Results From India's Five-Year Campaign To Cut Air Pollution - Health Policy Watch](#) The most significant improvement in air pollution was seen in Varanasi, the home constituency of India's Prime Minister, Narendra Modi, where PM 2.5 India, Varanasi. [Most cities on path to achieve national clean air target; Varanasi leads - Business Standard](#) particulate matter data over five years, 27 cities experienced an improvement in Particulate Matter (PM) 2.5 levels. Particles with a diameter of 2.5 India. [National Clean Air Programme: 5 years on, Varanasi witnesses 72% reduction in PM2.5](#) Deccan Herald. PM2.5 and PM10 levels. Varanasi, the city known for inflow of tourists and pilgrims, shows a 72 per cent reduction in PM2.5 (from 96 India, Punjab. [Punjab's three cities figure among 20 most polluted cities across the nation in air quality in 2023](#) The Times of India. NCAP had set a goal of 40% reduction in particulate matter by 2026. As per the analysis released on Wednesday, Mandi Gobindgarh recorded PM 2.5 levels. India, Kashmir, Srinagar. [Srinagar's Air Quality: How Vehicle Pollution and Power Shortages Have Been Worsening the Issue](#) The Wire. It calls for the utilisation of Kashmir's hydroelectric potential to replace fossil fuels and wood burning in winters. However,

Kashmir faces acute. South Asia. [An Invisible Killer Hangs In The Air Of Asia's Cities - CodeBlue](#) The most hazardous pollutant of them all is PM2.5 The large increase in early deaths in South Asian cities is the combined result of both increasing. 7)United Kingdom. RAWSEP View: Putting Baby in a corner. Refutation corner for wood burners. Are you one of the movie goers who remain puzzled that Patrick Swayze danced with "Baby", whose primary characteristic was that she was put in a corner, at summer camp in the Catskills? Residents Against Wood Smoke Emission Particulates dance like Swayze to present the arguments against indoor wood burning, in a residential setting. That is because Residents Against Wood Smoke Emission Particulates is not interested in actually hurting anyone. Dance, dance, dance, and leave your wood smoke cares behind, is of course the dance mantra of RAWSEP. Refutation one: Wood burners imply that wood burning is for grown ups. Wood burning fireplaces are indeed targeted to high income individuals who are probably grown ups, although they may have been born with a silver spoon in their mouths and probably could indeed afford to buy a condo through proxies at the occasion of their own birth. RAWSEP refutation: Wood burners are babies. The following recent news articles confirm that wood burners are babies, with undeveloped intelligence and discernment and undeveloped recognition of the needs of others, such as the need to breathe. [As wood burners become another victim of class warfare, a confession: I light mine almost every day](#) The Telegraph. Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates, a 501c3 nonprofit organization. 'Lighting this stove may cause asthma,' perhaps, or 'Wood burners may affect sexual performance.' No matter that all wood-burning stoves sold in. RAWSEP View: Refutation two: The class warfare referred to in this Telegraph article telegraphs that the writer has more money than others in the United Kingdom, or would like readers to think he does. Enforced subservience of lower monetary classes of people in England to English upper classes with more money could arguably have been the reason for emigration from the United Kingdom to the United States (when the UK was just England). Class differences could arguably have been the reason for the American Revolution and establishment of the United States. The rights of all men, and the statement that all men are created equal could arguably have been caused by reaction to class differences imposed on poor people at that time. So there are still self-pitying UK people who blame class warfare for poorer people attempting to wrest wood burning appliances away from the cold dead hands of rich people in the United Kingdom. RAWSEP confidently concedes that the average Resident Against Wood Smoke Emission Particulates member is not a millionaire. But the refutation number two is not that this is not class warfare. The Refutation number two is that this is about the right to breathe clean air. People should not be used as canaries in a coal mine, to prove that air pollution is happening or not, by developing lung cancer, or dying early, just so other people around them can belatedly say "Oh, THAT's what's wrong with wood burning, it causes illness and early death, NOT necessarily class warfare!" Let's just assume that there is no class warfare in America, since America was founded on the idea that all men are created equal, and America is always successful in what it attempts, right? So assume the indoor residential wood burner is exactly equal in income to the near neighbor of an indoor residential wood burner. The near neighbor has used his or her hard earned but still meager income to buy a natural gas furnace because one, he or she is an adult who wants the least polluting home heating appliance (which was a high efficiency natural gas furnace, before the recent innovations in Heat Pumps to work at temperatures down to 40 degrees below zero) a high efficiency natural gas furnace, and two, he or she wants something that works when it gets real cold. Now the refutation of the fact that the wood burner considers him or herself an adult. The indoor residential wood burner is a baby in this instance because he or she has chosen to spend his or her hard earned money (but with all the leisure time required to locate, find and buy the wood is the indoor residential wood burner really working at some real job, too?) on a method of home heating that is wasteful, inefficient, uncomfortable (wood burning only heats one side of a body at a time, crouching over a wood stove in an unappealing way) and which is actually not used for home heating but only for recreation. And the indoor residential wood burner is a baby because his hobby is not useful in improving his health and longevity, like pumping iron or running outside or playing a sport. Wood burning is like Boxing (the United States version of boxing, where you inevitably suffer cognitive decline after a while)! Okay, the UK has Boxing Day, which until RAWSEP recently researched it, RAWSEP misunderstood, and Boxing Day in the UK means the day after Christmas where presents are unboxed by the rich and reboxed and given to the servants. So being against indoor residential wood burning is like pugilism, like Boxing with words, like class warfare, against people who look down their noses at the poor because the wood burners are self-termed UK wood burning high class aristocrats. In the UK, and the U S, according to that view, wood burning pollution is something that people of equal or even higher income than you unbox for you around Christmas and give to you as air pollution from indoor residential wood burning, just because you happen to live next to an indoor residential wood burner, and

the level of air pollution is higher the closer you are (because wood smoke PM2.5 is usually hyper-localized particulate pollution unless it arrives in huge waves over long distances like it did from Canada in June 2023 because the wood smoke cloud was so immense). The ultimate insult and ultimate refutation of the views of the upper classes who burn wood in the UK and the equal income people who burn wood in the United States is viewing them as babies, according to the adults who are their near neighbors and who are sickened by the unnecessary wood smoke pollution the wood burners create. But maybe the babies who burn wood are not real babies but know what they do? Maybe that's why we near neighbors are in a world of hurt, as if the high faluting classes don't care who they hurt, class or no class. United Kingdom. [JOHN MACLEOD: It's chilling, but have ban-hungry busybodies got wood burners in their sights?](#) Daily Mail. Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates, a 501c3 nonprofit organization. Wood burning stoves have exploded in popularity in recent years, but could they be targeted. View gallery. RAWSEP refutation number 3: People who protest about being subjected to pollution from unnecessary wood burning are actually minding "their own business", the business of living their lives and breathing freely. Air pollution from nearby wood burning interferes with the ability of near neighbors of indoor wood burners to do their jobs if the near neighbors work from home, interferes with the ability of near neighbors to exercise outdoors (including the necessary exercise of shoveling snow in the winter) safely and interferes with the ability of near neighbors to play sports outside in their neighborhood safely, not to mention interferes with the near neighbor's ability to commute to work and school safely. The near neighbor is past caring about any more of the personal life of an indoor wood burner than about the baffling fact that the indoor residential wood burner burns wood unnecessarily, posing an existential threat to the health and lives of both the wood burner and his or her near neighbors, and hastening climate change also. Were "canaries in a coal Mine" busy bodies? Not for long. Near neighbors of indoor residential wood burners protest so they will not become ill or die from unnecessary and preventable air pollution from indoor residential wood burning. Canada, British Columbia. RAWSEP Refutation 4. These hobbies of using wood instead of clean alternatives for transportation are stupid, unnecessary and a bad role model, as all wood burning is a bad role model in a modern world that needs innovation and solutions to the problems of air pollution, rather than the same old blather, or the same old wood smoke. [A 112-year-old train is still chugging in Prince George, B.C., but budget concerns could take](#) CBC Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates, a 501c3 nonprofit organization. The Little Prince is a wood-burning locomotive that was built in Iowa and arrived in B.C. on a sternwheeler in 1912 to help support construction. RAWSEP View: In light of the recent Canadian (wood burning) wildfire air pollution incursions into the United States in June 2023, promoting wood burning is a baby move, not an adult one. Washington, Bellingham. [Bellingham chef makes art using scraps, blood and more from the kitchen | The Seattle Times](#) Zamory keeps the operation "organized and structured." James Zamory is a chef and partner at the wood-fired restaurant Carnal in Bellingham. Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates, a 501c3 nonprofit organization. RAWSEP refutation number 5: Is mental illness sometimes just being stalled in babyhood when one is in reality living in an adult body? RAWSEP suspects that using a wood burning stove, a true baby move, and making art out of blood are probably linked in reversion to infancy in the mind of a cognitively impaired (the result of prolonged exposure to wood burning emissions) adult. Doctor Watson, you may be on to something! RAWSEP Refutation number 6. New York. ['Soul-warming': the mystery man who chops wood to keep his neighbors from freezing | New York](#) The Guardian. Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates, a 501c3 nonprofit organization. She first called on the woodsman during a power outage, a regular occurrence in upstate New York, two winters ago. An older couple had burned through. RAWSEP View: Be careful who you call on for "help" lady. Although you most probably are already cognitively impaired by wood burning to the extent that you are behaving like a baby, and huffing wood smoke like huffing glue, already. Ever heard of Heat Pumps, or a natural gas furnace or a natural gas generator, lady? RAWSEP Refutation number 7. Canada, Toronto. ["I never thought I could afford a home in the Beaches. Then I built my own laneway house"](#) Toronto Life. Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates, a 501c3 nonprofit organization. We then built twisting stairs and lined them with a custom handrail that I designed. Joey's white, wood burning fireplace, which extends up to the. RAWSEP View. This "fantasy" is classic baby view of what a house should be. Instead of useful home heating appliances, of course a baby with unlimited funds would build a staircase to hell, phalanxed by two wood burning fireplaces. We've already covered the harm to near neighbors and to the environment of indoor residential wood burning stoves, but baby was busy

humming to herself and spitting up plans. And she's clime clime, climbing the stair, stair, stairway to hell, hell, hell. RAWSEP refutation number 8: Pennsylvania, Westmoreland County. [Westmoreland County high winds, rain cause power outages - WTAE](#) Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates, a 501c3 nonprofit organization. "We do have a wood-burning stove in the basement. It's on right now. We may have to go down there." West Penn Power is taking action, trying to. RAWSEP View: What is the West Penn Power area couple trying to do? The babies are content with going into the basement with their wood burning stove and inhaling to their hearts content, clapping their little hands and turning blue. RAWSEP refutation number 9. [These Six Homes Keep the "Great" in "Great Room" - Corcoran Inhabit](#) Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates, a 501c3 nonprofit organization. A wood-burning fireplace — wholly rebuilt with a vintage brass surround, custom marble detailing, and an automatic exhaust system — levels up the. RAWSEP View: The exhaust of your indoor residential wood burning fireplace will reach your near neighbors and sicken them, and your contribution to air pollution will hasten climate change. But baby doesn't understand yet, even though baby is able to walk and talk and act like a real live grownup, except of course cognitively impaired by longterm proximity to wood smoke. RAWSEP refutation number 10. [Smoke Iced Coffee To Take It To A Whole New Level - Yahoo Finance Canada](#) Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates, a 501c3 nonprofit organization. All you need is a small kitchen blowtorch and wood chips to get the job done. The type of wood chips used matters because different kinds, such as. RAWSEP View: You drink coffee like an adult, but the influencers of baby will insist on burning wood to get that cup of java in this little one's mouth, since baby talk is the only way to appeal to this cognitively impaired by wood smoke mind in the body of an adult. 8) Azerbaijan. New York Times Climate Action Newsletter. RAWSEP View: We hoped that this article would mention tackling the air pollution from indoor residential wood burning. It did not but RAWSEP planned to insert the words wood burning when appropriate into this article in the process of editing it for this website, but no luck. Wood burning emits more CO₂ and PM_{2.5} than the fossil fuel coal burning. Wood burning emits 450 times the PM_{2.5} as the fossil fuel natural gas burning. Using clean energy instead for heating homes, such as wind, and solar energy. Tackling climate change in the birthplace of oil. Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates, a 501c3 nonprofit organization. For the second year in a row, the United Nations climate summit known as COP will take place in a petrostate. COP29 will be in Baku, Azerbaijan, and [overseen by](#) Mukhtar Babayev, who worked for more than two decades at Socar, Azerbaijan's state-owned oil company. There's a precedent: Last year's climate summit was controversially hosted by the United Arab Emirates and [led by Sultan Al Jaber](#), who also runs the Abu Dhabi National Oil Company. Many activists fiercely opposed Al Jaber's involvement, but COP28 was ultimately [seen by many as a success](#). His ability to [corral fossil-fuel-producing countries](#) like his own helped yield an agreement that saw countries [pledge to "transition away" from fossil fuels](#). It remains to be seen whether Babayev, a former low-ranking executive who is now Azerbaijan's environment minister, will have the same impact. But there is also a poignant historical resonance to COP29: By some measures, Azerbaijan is where the modern oil industry began. Historians believe this [13th century account from the explorer Marco Polo](#) refers to Baku. The [author of a book](#) about the oil in the Caspian Sea region writes an energy newsletter for [The Information](#). In the 19th century, Azerbaijan was the site of multiple innovations such as the first [oil tanker](#). [In 1884, The Times reported that Baku was supplying all of Russia with oil](#), and "will no doubt supply a great part of Europe, India, and China." By 1900, Baku was providing about half the world's oil, with most of the rest coming from the United States. Robert Nobel and his family reaped enormous profits, some of which eventually helped to [create the Nobel Prize endowment](#). Azerbaijan's oil is expected to [run out in about 25 years](#). But the country plans to hike its output by a third [in the next decade](#). (The Aliyevs were prominent characters in the [Panama Papers, a 2016 corruption investigation](#).) The country's fossil fuel sector accounts for 90 percent of its exports and two-thirds [of its income](#). Azerbaijan became the host of this year's climate conference through a [long and difficult process stymied in large part by Russian obstruction](#). Russia was able to essentially veto any candidate that opposed its war in Ukraine. RAWSEP View: Planting trees in order to cut them down and burn them is Greenwashing of a harmful and polluting practice of doing business. Choose the clean alternatives of wind, solar, and geothermal energy powering a smart electric grid extending to all rural areas powering electric Heat Pumps that work down to 40 degrees below zero. Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates, a 501c3 nonprofit organization. A message from Working Forests Initiative. Working forests: rooted in planting. In a working forest, we don't just plan for tomorrow. We plant it. Each year we plant over one billion trees

in the U.S. every single year, and only harvest 2% of our land each year. Because when we plant more than we harvest, we ensure that working forests can work.

The United States was [hit by a record number of high-cost disasters](#) in 2023.

Climate change is [causing a sharp drop in snow levels](#).

U.S. [carbon emissions fell last year](#) as coal use tumbled. RAWSEP Asks: wood smoke emissions not counted?

Low-income Americans are [struggling to access clean energy](#).

Two big natural gas producers [are merging](#).



Four more heat pump manufacturers have successfully developed cold-climate prototypes as part of the Department of Energy's (DOE) [Residential Cold Climate Heat Pump Challenge](#).

for decades to come.





**QUIT
SMOKING**

 London Wood Burning Project
January 8 at 2:47 AM · 

Quitting can feel like a challenge, but it's worth it. Make this the year that you don't light your fire. If you don't burn at the moment, please don't start. [h...](#) See more

