

Episode 57DHWB June 25 2025 Trump delays billions in Broadband Build Out

Episode 57DHWB 1 The twin crises of heat and air pollution 2 Oil companies fight climate lawsuits by citing free speech 3 Trump Team Reworking Delays Billions in Broadband Build Out **4 Headlines**

**Google Alerts June 24 2025** 5 World 6 United States 7 California 8 Colorado 9 Florida 10 Michigan 11 Minnesota 12 New Mexico 13 Rhode Island 14 Texas 15 Washington 16A Wisconsin Madison 16B Wisconsin Milwaukee 17 Canada 18A United Kingdom Drax 19 Europe 20 France 21 Bangladesh 22 Japan 23 PM 2 point 5 and Human Health Main Content

1 The twin crises of heat and air pollution **Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates a 501c3 nonprofit organization**

The New York Times June 24 2025 There are two main types of air pollution that public researchers track ground level ozone and particulate matter Ground level ozone is a gas that forms from chemical reactions in sunlight and burning fossil fuels contributes to its formation Particulate matter refers to tiny pieces of solids and liquids in the air PM 2 POINT 5 particles smaller than 2 point 5 micrometers in size are the most dangerous of these because they can pass into the bloodstream How heat and air pollution are linked Rising heat and worsening air pollution are closely connected The burning of fossil fuels is both heating the planet and pumping out toxic air pollutants And as climate change pushes global temperatures past record levels the number of days when it is both hot and polluted has also increased During heat waves the air is stagnant with little wind to blow away pollutant emissions from sources like vehicles or buildings Climate change is also making wildfires more frequent and intense and they produce smoke that can spread particle pollution for thousands of miles Notably in the summer of 2023 smoke from wildfires in Canada reached western Europe and the southern United States This week multiple cities had heat warnings and forecasts of air quality levels that are unhealthy for sensitive groups including New York City Philadelphia Cincinnati and Grand Rapids Michigan Tips for staying safe The E P A also posts air quality information on its website air now dot gov although many areas lack official monitoring Experts suggest limiting time outside and avoiding exercising outdoors when air is unhealthy In high particle pollution events like wildfires and smog N 95 masks can provide some protection but will not stop gases like ozone or the smallest particles The toll of time spent outside in extreme heat can add up quickly When indoors consider closing doors and windows on high pollution days if the temperature inside is comfortable and use an air purifier Many places like New York City open cooling centers during heat waves if you do not have access to air conditioning

2 Oil companies fight climate lawsuits by citing free speech **Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates a 501c3 nonprofit organization** The New York Times June 24 2025 Oil companies are employing an unusual tactic in some of their biggest court battles They are saying that their critics are infringing on their free speech rights invoking laws designed to protect people who challenge the powerful The laws known as anti SLAPP provisions were created to stop companies or people from silencing their critics with the threat of costly lawsuits Oil companies have turned this around arguing that climate lawsuits against them should be thrown out because they infringe on the protections of the companies under the First Amendment What we are seeing now is a complete inversion of the original intent of these laws said

Nicole Ligon an assistant professor of law at Campbell University in North Carolina and expert on freedom of speech and SLAPP which is shorthand for strategic lawsuit against public participation

3 Trump Team Reworking Delays Billions in Broadband Build Out [RAWSEP View](#) Satellite is slower and probably more expensive to consumers but is lobbied for by Satellite Companies owned by billionaires Musk and Bezos Fiber Optic Cables are probably less expensive for consumers but are more expensive to build and were a project of the previous Biden administration Broadband is need especially in rural communities who have been left out of internet access to date [Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates a 501c3 nonprofit organization](#) KFF Health News June 20 2025 Millions of Americans who have waited decades for fast internet connections will keep waiting after Trump threw a \$42 billion high speed internet program into disarray An orange pole and Warning! sign along the side of a highway marks the spot where a fiber optic cable is buried Dead Zone Millions of rural Americans live in counties with doctor shortages and where high speed internet connections are not adequate to access advanced telehealth services A KFF Health News analysis found people in these dead zones live sicker and die younger on average than their peers in well connected regions The Commerce Department which runs the massive Broadband Equity Access and Deployment Program announced new rules in early June requiring states some of which were ready to begin construction later this year to solicit new bids from internet service providers The delay leaves millions of rural Americans stranded in places where health care is hard to access and telehealth is out of reach This does monumental harm to rural America said a professor of telecommunications at Penn State The Biden era program known as BEAD was hailed when created in 2021 as a national plan to bring fast internet to all including millions in remote rural areas Nearly 3 million people live in mostly rural counties that lack broadband as well as primary care and behavioral health care providers In those same places the analysis found people live sicker and die earlier on average The program adopts a technology neutral approach to guarantee that American taxpayers obtain the greatest return on their broadband investment according to the June policy notice The program previously prioritized the use of fiber optic cable lines but broadband experts said the new focus will make it easier for satellite internet providers such as Starlink of Elon Musk and Kuiper of Amazon to win federal funds We are going to connect rural America with technologies that cannot possibly meet the needs of the next generation of digital users They are going to be missing out Republicans have criticized BEAD for taking too long and Commerce Secretary Howard Lutnick vowed in March to get rid of its woke mandates The revamped Benefit of the Bargain BEAD Program which was released with a fact sheet titled Ending the Biden Broadband Burdens includes eliminating some labor and employment requirements and obligations to perform climate analyses on projects The requirement for states to do a new round of bidding with internet service providers makes it unclear whether states will be able to connect high speed internet to all homes The changes have caused pure chaos in state broadband offices More than half the states have been knocked off their original timeline to deliver broadband to homes The change also makes the program more competitive for satellite companies and wireless providers such as Verizon and T Mobile Garner analyzed in March what the possible increase in low Earth orbit satellites would mean for rural America He found that fiber networks are generally more expensive to build but that satellites are more costly to maintain and much more expensive to consumers Signs advertising connectivity can be found in West Virginia and other states attached to poles and fences along roads where communities have not had broadband installed

Commerce Secretary Lutnick said in a June release that the new direction of the program would be efficient and deliver high speed internet at the right price. The National Telecommunications and Information Administration, the Commerce Department agency overseeing BEAD, declined to release a specific amount it hopes to save with the restructuring. More than 40 states had already begun selecting companies to provide high speed internet and fill in gaps in underserved areas according to an agency dashboard created to track state progress. In late May, the website was altered and columns showing the states that had completed their work with federal regulators disappeared. Three states, Delaware, Louisiana, and Nevada, had reached the finish line and were waiting for the federal government to distribute funding. The tracker, which KFF Health News saved in March, details the steps each state made in their years-long efforts to create location-based maps and bring high speed internet to those missing service. West Virginia had completed selection of internet service providers and a leaked draft of its proposed plan shows the state was set to provide fiber connections to all homes and businesses. The West Virginia broadband council has worked aggressively to expand in a state where 25% of counties lack high speed internet and health providers. More than 200 counties with large swaths in the South Appalachia and the remote West lack high speed internet, behavioral health providers, and primary care doctors who serve low income patients on Medicaid. On average, residents in those counties experienced higher rates of diabetes, obesity, chronically high blood pressure, and cardiovascular disease. The gaps in telephone and internet services did not cause the higher rates of illness, but it does not help either. Telehealth, education, banking, and the use of artificial intelligence all require fast download and upload speeds that cannot always be guaranteed with satellite or wireless technology. It is the politics of good enough. And that is always how we have treated rural America. Fiber optic cables installed underground or on poles consistently provide broadband speeds that meet broadband download speed of 100 megabits per second and 20 Mbps upload speed set by the Federal Communications Commission. By contrast, a national speed analysis found that only 17 point 4 percent of Starlink satellite internet users nationwide consistently get those minimum speeds. The report also noted that speeds of Starlink were rising nationwide in the first three months of 2025. In May, the West Virginia Broadband Enhancement Council signaled it preferred fiber optic cables to satellite for its residents and signed a unanimous resolution that noted fiber connections offer the benefits of faster internet speeds, enhanced data security, and the increased reliability that is necessary to promote economic development and support emerging technologies.

#### 4 Headlines Google Alerts June 24 2025

5 World and Prescribed Burns Climate change may make prescribed fires rarer but increases their air quality impacts. Phys dot org particulate matter PM 2 POINT 5 air pollution annually—which is significant. However, prescribed burns account for 15%–25% of PM 2 POINT 5 pollution in areas

6A United States Enertech unveils geothermal heat pump for residential use. pv magazine USA. pv magazine USA. The heating specialist said its new variable speed water-to-water system has a coefficient of performance of 3 point 2 at full load and 3 point 8 at part

6B United States Ground Source Heat Pump Manufacturers Urge Senators to Preserve Geothermal Tax Credits. Inside Climate News. Ground source heat pumps, a small but growing segment of the U S heating and cooling sector, could help slash energy demands, boost American

6C United States Ground Source Heat Pump Manufacturers Urge Senators to Preserve Geothermal Tax Credits Inside Climate News Ground source heat pumps a small but growing segment of the U S heating and cooling sector could help slash energy demands boost American

6D United States Heat Pump Rebates Accountant urges homeowners to claim \$840 stove rebate before officials slash incentives MSN Accountant urges homeowners to claim \$840 stove rebate before The pros and cons of buying a heat pump The Telegraph The pros and cons

6E United States Heat Pump Market to Hit 201 point 5 Billion Dollars by 2032 Driven by HVAC Demand and Green Policies EIN Press wire A heat pump is an energy efficient device that transfers heat from one location to another using a refrigeration cycle It can provide both heating

6F United States Heat Pump Rebates Home appliance experts uncover the little thought of upgrade that could slash your utility costs The Cool Down Heat pump water heaters are quietly revolutionizing the way Americans Combined with state and local rebates the total savings can be even higher

6G United States How Geothermal Heat Pumps Can Turbocharge Energy Efficiency Facility Executive Magazine Heat pumps can play a role in reducing energy waste as well as being more sustainable but there is under utilization of a specific type of heat pump

6H United States Off the grid not off the table Why heat pumps cannot go it alone ACR Journal heat pump deployment particularly in rural off gas grid areas While heat pumps are vital for decarbonisation grid constraints and

7 California RAWSEP View Propane is being substituted for wood in beach fires in Coronado California This is a step away from the most intensive air pollution from wood burning But take the final humane step Just do not burn anything on a California Beach since in California no one is going to experience hypothermia by visiting a beach in California Trust a perspective from Wisconsin You are not experiencing cold on a beach in California Ever Dress in pants and a shirt and shoes and trust a Wisconsin source You will not experience cold on a beach in California You can melt marshmallows in your electric stove ahead of time if you must have the non nutritional food item smores Seek shelter if you cannot handle the cold You are not impressing anyone with your willful ignorance or non existent knowledge of science and nature and the temperature scale In a twist the word sustainable now often means air polluting Was this the intent of using a greenwashing word sustainable in order to greenwash or smokescreen wood burning as desirable? Think about your last experience near a wood fire Did your eyes burn in a signal that this is not good for your health? Did you cough in a signal that this is not good for your health? Or was the health effect felt most by near neighbors where the smoke was directed or re directed? That is a signal that you should consider your fellow human near neighbor and his or her health

**From the headline Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents**

**Against Wood Smoke Emission Particulates a 501c3 nonprofit organization**

From Smoke to Sustainability The Eco Bonfire Movement Coronado Times Contreras and his brother Gerardo Ramirez launched BluLite Bonfires in 2019 with wood burning bonfire experiences wood to the fire and risk But in 2020 when the COVID 19 From Smoke to Sustainability The Eco Bonfire Movement The Coronado Times 06 17 2025 As temperatures rise and daylight stretches into the evening beach bonfires become a staple of summer gatherings But while these fires bring warmth and atmosphere

they also come with a hidden cost to the environment. Eco friendly alternatives are gaining momentum offering a way to enjoy the **timeless experience of a bonfire by the ocean** while minimizing its environmental footprint. At the center of this revolution is BluLite Bonfires, a San Diego based company specializing in curated and sustainable beach bonfire experiences through their use of propane fueled fires. We want to first and foremost educate our community about the impact of wood burning bonfires, says Rene Contreras, CEO of BluLite Bonfires. We want people to know there are other options to create warm, clean and safe bonfires. Contreras and his brother, Gerardo Ramirez, launched BluLite Bonfires in 2019 with wood burning bonfire experiences. But in 2020, when the COVID 19 virus hit, they recognized an opportunity for positive change. We would go to the beach since we were limited to where we could go and notice the pristine condition they were in during months of minimal human activity, Contreras said. The beaches were gorgeous and even the dolphins were coming back. So Contreras and Ramirez committed themselves to innovation by replacing firewood with propane tanks to create clean burning, smokeless bonfires. Because it is smokeless, you are not breathing in all that smoke and it does not get into neighboring properties either — or on outdoor furniture, Contreras said. He also added the method is safer because it is a consistent fuel source, meaning someone does not have to constantly be adding wood to the fire and risk getting burned. In Coronado, only propane fueled fires are allowed on South Beach, which includes the stretch between Gator Beach and the Rock Jetty near the Hotel del Coronado Shore House. Wood and charcoal fires are still permitted in city provided fire rings or personal fire devices on Central and North Beach, north of the Rock Jetty. The brothers also adopted eco friendly substitutes for other amenities, such as smores sticks made of recyclable wood. We are working on adding solar powered accent lights and we bring our own trash cans to every event, Contreras added. A large event set up usually takes about six hours, according to Contreras. First, the area is thoroughly sifted to remove any hidden debris beneath the sand. Then, an in ground seating section is dug out to create a one of a kind bonfire experience. When it is all over, the sand is pushed firmly back and, once more, the area is thoroughly cleaned. The company provides a range of curated beach experiences tailored to different occasions, from corporate gatherings to private screening experiences.

7B California Heat Pump Study Shows Some Surprising Results. ACHR News. All but one of the homes used a natural gas furnace for heating. The retrofitted heat pumps had cooling capacities similar to the existing air.

7C California Roseville Dive into summer energy savings! City of Roseville heat pump technologies, our updated rebate programs are designed to help you save energy and money this summer! Learn more and apply today at

7D California Wood River updates ordinances on weapons, building and land use. MSN. Fires in San Diego, Santa Clara, El Dorado counties burn hundreds of acres. The Desert Sun. Palm Springs, Texas THC ban vetoed by Greg Abbott. Newsweek.

8A Colorado Go Green Heating & Air Conditioning Urges Colorado Homeowners to Take ACCESS Newswire. Xcel Energy Rebates For a limited time, Xcel Energy is offering additional bonus rebates of up to \$9000 on qualifying heat pump and heat pump water.

8B Colorado tax credits for EVs e bikes and heat pumps will be cut in half next year The Colorado Sun  
Some Colorado tax credits to decarbonize transportation and buildings will be slashed in 2026 Tax Credit  
Light duty electric or plug in hybrid

9A Florida Heat Pump Rebate Around Town Regional news briefs Pinellas County tbnweekly dot com  
rebate program to enhance energy efficiency and lower your bill for your home Heat pump hybrid water  
heater up to \$800 back new rebate

9B Florida Leon County Geothermal Heat Pump Case Study Leon County Extension Department of  
Energy A team from Leon County Government and consultants began to identify energy projects to  
minimize peak energy demand and reduce utility costs in the

10 Michigan NTSB says wildfire smoke likely caused 2023 plane crash into Lake Michigan WOODTV  
dot com The National Transportation Safety Board has ruled that wildfire smoke from Canada likely  
caused a deadly plane crash that killed a woman

11 Minnesota RAWSEP View Bad Idea Wood is not a fossil fuel and wood smoke emissions are not  
categorized as greenhouse gas emissions but Wood Burning emits 450 times the PM 2 point 5 as the  
fossil fuel natural gas burning Wood burning emits 2 point 8 times the CO2 and PM 2 point five as the  
fossil fuel coal burning From the Headline Excerpts edited by RAWSEP for brevity and clarity and  
relationship to Residents Against Wood Smoke Emission Particulates a 501c3 nonprofit organization  
Pine Journal Fond du Lac Band offsets greenhouse emissions with wood burning facility Fond du Lac  
Band offsets greenhouse emissions with wood burning facility Cloquet Pine Journal Pine Journal  
BROOKSTON The Fond du Lac Band of Lake Superior Chippewa estimates its new wood burning heating  
facility will offset 116 tons of carbon dioxide New Mexico Seven Springs Fire Update June 21 2025  
NM Fire Info Charcoal grills and campfires are not allowed apart from dwellings with fireplaces or wood  
burning stoves equipped with proper screens Fireworks

12 New Mexico RAWSEP View Half Measures will not do Proper screens will not protect you or your  
near neighbors from the health effects of wood smoke emissions From the Headline Seven Springs  
Fire Update June 21 2025 NM Fire Info Charcoal grills and campfires are not allowed apart from  
dwellings with fireplaces or wood burning stoves equipped with proper screens Fireworks are

13 Rhode Island POSTPONED Date TBD Rhode Island Heat Pump Incentives Green Energy Consumers  
Alliance We are here to answer any questions you might have about heat pumps a super efficient  
heating and cooling option There are BIG rebates & incentives

14 Texas Dallas Lennox Unveils Elite Series EL18KSLV Side Discharge Heat Pump Designed for  
Compact Homes PR Newswire The Lennox Side Discharge Heat Pump is a compact unit designed for  
efficient quiet operation DALLAS June 23 2025 PRNewswire

15 Washington Seattle 3 steps to stay safe from wildfire smoke this summer Seattle Child Wildfire  
smoke safety is critical in the summer months in Because wood smoke particles are so tiny KN95  
masks may not offer the

16A Wisconsin Madison Wisconsin Home Energy Rebates Excerpts edited by RAWSEP for brevity and  
clarity and relationship to Residents Against Wood Smoke Emission Particulates a 501c3 nonprofit

**organization** Office of the Mayor City of Madison WI City of Madison rebate programs the Home Eligible upgrades include electric heat pumps heat pump water heaters electrical panel upgrades and more Wisconsin Home Energy Rebates posted June 20 2025 3:23pm Focus on Energy Great news Madison homeowners! I am excited to share that Wisconsin Home Energy Rebates are still available and they are making it easier than ever to cut your energy bills make your home more comfortable year round and help us all move toward a cleaner greener Madison These rebates are being taken advantage of quickly around the state so we want you to act now to take advantage of them while funding lasts!

What Are the Home Energy Rebates? Wisconsin has \$149 million to help residents like you make energy saving upgrades to your homes Focus on Energy our trusted statewide energy efficiency program is administering two major rebate programs the Home Efficiency Rebates HOMES and the Home Electrification and Appliance Rebates HEAR Whether you want to improve your insulation in your home or switch to efficient electric appliances these programs can cover 50% or even 100% of your project costs depending on your income and the upgrades you choose

**HOMES Home Efficiency Rebates**  
The HOMES program is all about making your home more energy efficient You can get rebates for projects like adding insulation air sealing or upgrading to ENERGY STAR® heating cooling or water heating equipment The rebate amount depends on your household income and the predicted energy savings from your project To qualify your upgrades must be expected to reduce the energy use of your home by at least 20% and the more you save the bigger your rebate All homeowners are eligible to participate in HOMES Rebates can range from \$1500 up to \$10000 depending on your income the type of home and the energy savings achieved

**HEAR Home Electrification and Appliance Rebates**  
The HEAR program helps low and moderate income households electrify their homes This means you can get rebates for installing electric heat pumps swapping out your gas stove for an electric one or upgrading the electrical system of your home to support future clean energy upgrades like solar panels or electric vehicle charging

**Key details** Only households earning 150% of the Area Median Income AMI or less are eligible If your income is below 80% of AMI you can get 100% of project costs covered up to \$14000 If you are between 80% and 150% of AMI you can get 50% of project costs covered up to \$14000 Eligible upgrades include electric heat pumps heat pump water heaters electrical panel upgrades and more All equipment must be ENERGY STAR certified

**Why This Matters for Madison**  
These rebates are a win win for Madison families and the climate goals of the City of Madison Not only can you save thousands on upgrades but you will also see lower monthly energy bills and a more comfortable home Plus by reducing energy use and electrifying our homes we are cutting greenhouse gas emissions and building a healthier future for everyone Let us keep Madison moving forward— together! If you are ready to get started or want to learn more visit the Focus on Energy Home Energy Rebates link external page today Let us make Madison homes greener healthier and more affordable for all Decide which program fits your needs You can only participate in one program at a time Contact the program energy advisor For the HOMES rebate link is external contact Jason Kempen Phone 262 227 3932 Email Jason dot Kempen at focusonenergy dot com For the HEAR program link is external contact Scott Sailor Phone 608 509 2291 Email Scott Sailor at focusonenergy dot com Complete the income qualification form Choose a contractor Begin your project Enjoy the savings! Learn More about the Focus on Energy Rebates link external This content is free for use with credit to the City of Madison Office of the Mayor Categories Sustainability

16B Wisconsin Milwaukee Republican Budget Bill Would Eliminate Energy Efficiency Tax Credits

Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke

Emission Particulates a 501c3 nonprofit organization

Urban Milwaukee Rebate or HOMES program for installing insulation and energy efficient heating and Republican Budget Bill Would Eliminate Energy Efficiency Tax Credits Considering solar panels or a heat pump? Do not wait Wisconsin Public Radio June 20th 2025 The clock is ticking for Wisconsin homeowners who want to take advantage of tax credits for clean energy and home energy efficiency as Republicans in Congress seek to phase out those incentives The most recent federal data shows more than 73000 families in Wisconsin have taken advantage of the tax credits However those incentives would disappear as soon as the end of this year under the House budget bill and six months after a bill is passed in the Senate version introduced this week Republicans have taken aim at the expanded tax credits under the Inflation Reduction Act which were intended to combat climate change as they seek to pay for the Trump 4 point 5 trillion dollars in tax cuts for the rich The chief economist with Green Homeowners United said the repeal will make it more difficult for middle and low income families to make home upgrades or install rooftop solar I think there is going to be a mad dash for people to try to use it Tax credits provide a dollar for dollar reduction on what people owe in federal taxes Residents can claim 30 percent of the cost for heat pumps up to \$2000 each year and up to \$1200 each year for insulation air sealing and ventilation They can also claim 30 percent of the cost to install geothermal heating solar panels and battery storage In Wisconsin families claimed an average of more than \$5100 on clean energy investments like rooftop solar according to the most recent federal data On home improvements they claimed an average of \$761 on things like heat pumps air conditioners and windows The director of business development at Arch Solar said they are expecting that the elimination of tax credits will dramatically shrink the market for residential solar installations We will adjust It is going to be a new era and there is going to be a smaller market of buyers and we are all going to have to work a little bit harder Solar companies have already been facing a dip in residential solar installations which declined 31 percent last year due in part to higher interest rates Arch Solar installed solar on about 240 homes in southeastern Wisconsin last year and the company anticipates that number could grow to 300 homes this year as homeowners try to act before tax credits disappear Rooftop solar installations could drop by half next year The executive director of Solar Share Wisconsin Cooperative said the repeal is a huge slap in the face for businesses that have been scaling up their operations These companies are going to have a hard time planning for any additional work They are also just going to see a huge glut of solar panels on the market Neeley said Because this market existed and then all of a sudden there is no demand for it Under ideal circumstances contractors need around six to 10 weeks to obtain permits or approval from utilities to connect with the grid Energy data firm Ohm Analytics estimates residential solar installations could fall by half next year Wisconsin labor and clean energy advocates have said repealing the tax credits could jeopardize thousands of jobs The director of the Dane County Office of Energy and Climate Change said it is not the time to sit on the fence if residents and businesses are thinking about home energy upgrades She said installation of solar and energy efficient appliances helps reduce costs for homeowners and demand on the grid at a time when the nation has seen increased electricity demand from data centers I am just concerned that it is the wrong moment to slow down the consumer and business investment in clean energy given what else is going on with the grid US Rep Tom Tiffany holds an egg carton as he begins his speech Saturday May 17 2025 during the Republican Party of

Wisconsin State Convention in Rothschild Wisconsin All Wisconsin Republicans in the U S House voted for the budget bill and its provisions to repeal tax credits In a social media post Tuesday Republican Representative Tom Tiffany urged people to tell their senators not to water down the House bill We must terminate the IRA and stop wasting taxpayer dollars on wind and solar subsidies Tiffany said In Green Bay the sustainability commission of the city unanimously passed a resolution Thursday to support the retention of clean energy funding and tax credits Ahead of the vote the chair of the commission Christa Kananen said the clean energy plan of the city of Green Bay relies heavily on leveraging tax credits to reach its goal to become carbon neutral by 2050 The loss of that federal spending would significantly impact the plan that has already been outlined and is in progress It would at a minimum slow it down significantly As tax breaks seem likely to fade away Wisconsin residents can still take advantage of home rebates under the Home Efficiency Rebate or HOMES program for installing insulation and energy efficient heating and cooling systems Wisconsin received \$149 million to administer home rebates under the program and the Home Electrification and Appliance Rebate or HEAR program for households installing heat pumps and other electrical appliances That funding is not in jeopardy and it is expected to last another two to three years

17 Canada British Columbia Powell River Wood smoke rebate program open for applications in qathet My Powell River Now My Powell River Now These cleaner options include heat pumps pellet stoves and cleaner burning wood stoves with rebates ranging between \$300 and \$3000 The qathet

18A United Kingdom Drax Wood burning power plant Ancient trees are shipped to the UK then burned using billions in so called green subsidies More subsidies for the Drax wood burning in the name of sustainability is just more fuel on that fire Stop this madness now The evidence against the Drax power station is damning yet the government wants to continue its massive public funding **Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates a 501c3 nonprofit organization** The Guardian June 21 2025 How green is this? We pay billions of pounds to cut down ancient forests in the US and Canada ship the wood across the Atlantic in diesel tankers then burn it in a Yorkshire based power station Welcome to the scandal of Drax where the biggest polluter in Britain gets to play climate hero The reality is that billions in public subsidies has enabled Drax to generate electricity by burning 300 million trees Now the government is trying to force through an extension that would grant Drax an estimated 1 point 8 billion Pounds in public subsidies on top of the 11 billion Pounds it has already pocketed keeping this circus going until at least 2031 This is not green energy The mathematics alone should horrify anyone who cares about value for money or the environment Burning wood creates 18% more CO2 emissions than coal Even if you replant every tree Drax destroys it takes up to a century for new growth to reabsorb the carbon released We are supposed to reach net zero by 2050 not 2125 Yet through circus trick accounting all of the massive emissions of Drax magically disappear from the climate ledger of Britain They have simply been wished away counted as zero while the company becomes our largest single contributor to climate breakdown Extraordinarily this scandal unites opposition across the political spectrum From the Greens to Reform from the Morning Star to the Daily Telegraph there is rare consensus that Drax represents everything wrong with our approach to climate policy The Labour dominated public accounts committee condemned Drax as a white elephant that has been allowed to mark its own homework while claiming billions upon billions in subsidies A Lords committee agreed saying parliament needs to see key

documents before approving any more funding I do not agree with Ed Miliband on everything We clearly have different views on nuclear power I respect the commitment of the energy secretary to tackling climate crisis and it is worth noting that the further subsidies are half of what was previously on offer for Drax But that is exactly why continuing to subsidize Drax at all is so disappointing When Miliband announced his plans to ramp up biomass burning back in 2009 he was genuinely trying to find alternatives to fossil fuels But 16 years on this policy has gone badly astray What was meant to be a bridge to renewable energy is actually making emissions worse If on Monday the House of Lords votes to extend this unabated wood burning for another four years what is to stop these subsidies being extended again and again? And why should the government deal with a firm as untrustworthy as Drax? Perhaps most damning is what Drax refuses to reveal After the devastating Panorama investigation by the BBC into the destruction by Drax of Canadian primary forests Drax asked auditor KPMG to investigate hoping for a clean bill of health However the evidence was so damning that the reports are still being hidden from the public If Drax has nothing to hide why not publish these reports? A former top Treasury official turned whistleblower accused it of deliberately concealing unsustainable practices to secure subsidies The case now settled raises questions of dishonesty that should disqualify any company from public funding The extra billions Drax is seeking could help build enough wind and solar capacity to power millions of homes It could create permanent jobs in genuine renewable industries not temporary employment destroying irreplaceable ecosystems Every pound spent subsidizing tree burning is a pound not invested in technologies that could actually deliver net zero While other countries race ahead with wind solar and battery storage we are burning money on the most primitive fuel known to humanity The cooling towers of Drax biomass power station produce steam during the night Calls for Drax to be forced to fully disclose its biomass sourcing There is a huge loophole in the pledge of the UK government to stop Drax burning trees from primary forest Their restrictions on Drax only apply to subsidized electricity supplied to the grid Drax wants to power private data centers but there is no plan that prevents it from destroying ancient forests to power 21st century AI searches That means Drax could be cutting down even more primary forests than it does today MPs have lost trust in the ability of the UK government to hold Drax to account The criticism from parliamentary committees has been brutal The environmental movement did not fight to establish renewable energy so politicians could facilitate the burning of ancient forests that took millennia to grow Real climate action means making hard choices not hiding behind accounting tricks that make our emissions disappear on paper while making them worse in reality It is time for Labour MPs to speak up the fight for net zero is hard enough More subsidies for wood burning by Drax in the name of sustainability is just more fuel on that fire

18B United Kingdom Heat Pump Discounts Warm Home Discount expands to millions more households MSN Discount is expanded across the UK The change Revolutionizing Water Heating The Future of Electric Resistance and Heat Pump Technology

18C United Kingdom Leeds Air pollution a serious public health threat University of Leeds We spend 80 to 90% of our time indoors where being exposed to emissions from things like wood burning cleaning chemicals damp and mold and infectious

18D United Kingdom Southampton lung expert warns indoor air pollution is being overlooked BBC Smoke drifts into a kitchen as a man realizes he has burned the toast again Everyone loves a wood

burning stove it is so lovely but it really We are sleepwalking into an indoor air crisis [RAWSEP View](#)  
This article approaches air pollution from wood burning as a half wit would Yes there is air pollution from wood burning but just use dry wood and an exhaust fan The monitor she is given and uses does not tell her the micrograms per cubic meter of PM 2 point five that is in the air although PurpleAir PM 2 point 5 monitors are sold around the world including sold to the United Kingdom She feels obligated to describe wood burning as lovely although at the same time she is obliquely in spite of herself pointing out that it is harmful to human health If an exhaust fan redirects wood smoke out of a house it then travels to pollute the air of near neighbors but that fact is not touched upon in this article You do not have to live with air pollution from wood burning whether indoor or outdoor wood burning The first step is to face the facts of the source of air pollution and eliminate it Just do not burn wood to begin with [Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates a 501c3 nonprofit organization](#) BBC South June 18 2025 Cooking is a major contributor when it comes to reducing air quality in the home A leading respiratory expert has warned the dangers of indoor air pollution are being overlooked Consultant respiratory physician Doctor Thom Daniels, from University Hospital Southampton UHS says the invisible threat may pose an even bigger risk to health than outdoor pollution Exposure can trigger short term respiratory symptoms and make existing conditions such as asthma worse The warning comes as the Royal College of Physicians RCP publishes a new report linking air pollution to 30,000 deaths a year in the UK Although many worry about outdoor pollution not many know about poor air quality within the home We know so much more about outdoor air pollution because it's so much easier to study says Doctor Daniels One monitor allows you to know about the air quality for thousands of people But every single house is different and we spend 90% of our time indoors and until we understand better about indoor air quality we will be missing the majority of our air exposure Particulates and harmful gases come from daily activities within the home such as cooking or [using wood burning stoves](#) And another area that is really important is wood burning stoves. Everyone loves a wood burning stove it is so lovely but it really does produce a lot of indoor air pollution as well as outdoor Using an air monitor linked to my phone I can see how everyday household activities can change the air quality within my home To understand how indoor air quality can be affected by everyday household tasks I have borrowed an air monitor from Doctor Daniels. The app tells me the air outside is good quality scoring 97 out of a possible 100 The higher the number the less measurable pollution is detected Experts recommend always using an extractor fan when cooking and using the rear of the hob so that fumes go up the wall into the fan rather than towards the chef Using only dry untreated wood at a high temperature will also help reduce emissions from wood burners In the meantime Doctor Daniels is calling for more research into indoor air pollution to understand the problem we are all living with

19 Europe will struggle to meet the new WHO Air Quality Guidelines [npj Clean Air Nature](#) We used a suite of regional atmospheric chemistry models to simulate fine particulate matter PM 2 POINT 5 and ozone O3 levels over Europe in 2015–2050

20 France Paris Repeated exposures to PM 2 POINT 5 alter the mitochondria and the influenza mediated interferon [ScienceDirect dot com](#) This study aimed to perform repeated exposures to PM 2 POINT 5 collected in Paris on an in vitro bronchial epithelium model at the air liquid interface ALI

21 Bangladesh World Bank Helps Bangladesh Improve Energy Security Air Quality World Bank Dhaka remains one of the most polluted cities in the world with annual levels of fine particulate matter PM 2 POINT 5 exceeding by 18 times the WHO Air

22A Japan Daikin launches new single zone heat pumps for residential use PV Magazine The new Oterra 115V heat pumps use difluoromethane R32 as the refrigerant and have a heating capacity of 9000 BTU h to 12000 BTU h

22B Japan The Hitachi new R 32 ductless residential heat pumps HPAC Magazine The new air Home series of mini splits includes cold climate models operating at 100% capacity as

23A PM 2 point five and cardiovascular mortality Modification Effects of Regional Temperature and Humidity on the Relationship between ScienceDirect dot com The joint effects of PM 2 POINT 5 and O3 were more pronounced in low temperature regions for cardiovascular mortality and in low humidity regions for

23B PM 2 point 5 and deaths A worldwide aerosol phenomenology Elemental and organic carbon in PM 2 POINT 5 and PM10 ScienceDirect dot com Elemental carbon EC organic carbon OC and particulate matter PM concentrations in the inhalable PM10 and fine PM 2 POINT 5 size fractions are

23C PM 2 point 5 and mitochondria Repeated exposures to PM 2 POINT 5 alter the mitochondria and the influenza mediated interferon ScienceDirect dot com This study aimed to perform repeated exposures to PM 2 POINT 5 collected in Paris on an in vitro bronchial epithelium model at the air liquid interface ALI

23D PM 2 point 5 and low cost sensors Exploration of a practical approach to providing RH corrections to low cost sensor networks Nature Regulatory PM 2 POINT 5 monitors measure dry particle mass concentration by drying aerosol stream before analysis In contrast LCS estimate particle size

23D PM 2 point 5 and prescribed burns Climate change may make prescribed fires rarer but increases their air quality impacts Phys dot org particulate matter PM 2 POINT 5 air pollution annually—which is significant However prescribed burns account for 15%–25% of PM 2 POINT 5 pollution in areas

23E PM 2 point 5 and seasonal tion of microbial activity in atmospheric particulate matter and its lagging ScienceDirect dot com Seasonal variations in MA within PM 2 POINT 5 were primarily driven by air pollution and meteorological factors with ozone exerting the greatest influence

23F PM 2 point 5 and web based behavior Effects of web based behavioral intervention on fine particulate matter pulmonary function ScienceDirect dot com Elevated outdoor and indoor PM 2 POINT 5 levels have been shown to adversely affect the respiratory health of children including impaired lung function