

Episode 56YN 10 02 2024. South Dakota opts out of Inflation Reduction Act energy rebates. Left behind.

In Episode 56YN 1 World 2 United States 3 California 4 Idaho 5 Iowa 6 Louisiana 7 Massachusetts 8 Minnesota 9 New Hampshire 10 New York 11 Pennsylvania 12 South Dakota 13 Wisconsin 14 Brazil 15 New Zealand 16 Canada 17 Ireland 18 United Kingdom. A new website, GetAHeatPump.org.uk, has been launched to provide UK homeowners with impartial and easy-to-understand advice on heat pumps. 19 Europe 20 Denmark 21 The Netherlands 22 Germany 23 Greece 24 India 25 Japan 26 PM2.5 and human health. Main Content. 1A World. Commercial Air Source Heat Pump Market Size Forecasts 2032. Global Market Insights. The commercial air source heat pump market size crossed USD 10.6 billion in 2023 and is projected to observe around 15% CAGR during 2024 to 2032. 1B World. Wildfire Threat Grows Amid Global Warming Crisis. Mirage News. These fires contribute significantly to carbon emissions and particulate matter PM2.5 with severe consequences for both climate stability and. 2A United States. Air pollution below US regulatory standards and cardiovascular diseases using a double. Nature. Researchers have reported that long term exposure to air pollution particularly fine particulate matter with an aerodynamic diameter below 2.5 micrometer PM2.5, 2B United States. Alen's New Air Purifier Technology Breathe Smart 75i with Enhanced Features. Business Wire. Smart sensors Features smart sensors that detect PM 2.5 TVOC eCO2 temperature and humidity levels. Users can monitor these parameters in real. 2C United States. Are heat pumps the future or just a lot of hot air? Energy Central. For most homes the alternative to traditional heating systems is likely to be an electric air source heat pump. This little understood technology. 2D United States. CO2 Heat Pumps Funded by Department of Energy. Natural Refrigerants. Five U.S. companies developing CO2 R744based heat pumps are among 25 in 17 states selected by the U.S. Department of Energy DOE to receive. 2E United States. Demystifying Heat Pump Water Heaters & HVACs Comfier Home Lower Bills SACE. Southern Alliance for Clean Energy. Clean Energy Generation member Larry Heiman joins us again to tell the tale of his planned heat pump HVAC and a not so planned heat pump water. Explain the financial incentives you planned to take advantage of – whether federal tax s or local utility rebates to help make your heat pump. 2F United States. Getting a heat pump is the right thing to do and will also lower your energy bill! Red, Green and Blue. The option we went with instead were heat pumps which provide both heating and cooling in all areas of our house except our basement. We did this for. 2G United States. High costs slow widespread use of heat pumps study shows. ScienceDaily. The high cost of installing heat pumps for home heating could slow down people widely adopting the technology and leave government targets missed. 2H United States. HVAC Heat Pumps Hype or Hero? Contracting Business. The term can be misleading because heat pumps do not generate heat. They extract heat energy from where it's not needed or wanted and move it to. 2i United States. PM2.5 and physical disability. Air pollution increases physical disability risk in older adults News Medical. The analyzed air pollutants included fine particulate matter PM2.5 Individuals residing in areas with higher concentrations of PM2.5, 2J United States. Smart Heat Pumps A Look at the Future of Home Heating ACHR News. One innovation leading the way in home comfort and efficiency is an air to water monobloc heat pump which offers a blend of efficiency. 2K United States. Top 5 best heat pumps Our picks of 2024 CNN Underscored. How to save money on a new heat pump. Like many energy efficient home additions heat pumps are eligible for many federal and local tax rebates. The most common type of heat pump is an air source heat pump which can be both ducted and ductless. These work by heating or cooling air using a. 2L United States. Trump & Public Health. Heat Pumps. The Brian Lehrer Show. WNYC. The Future of Public Health if Trump Wins in November; What to Know About Heat Pumps. 3A California Oakland. Yellowjacket HVAC is on a mission to save the planet with heat pumps The Oakland side. Highly efficient at heating and cooling indoor spaces heat pumps are considered a critical technology for reducing global carbon emissions. Like air. 3B California. Yolo Solano heat pump replacement program offers residents vouchers for the wintertime. MSN. wood stoves and open hearth fireplaces to electric heat pumps for the wintertime smoke emissions from homes in the wintertime. Crush Your, 3C California. California Climate & Energy Update NRDC. heat pumps. These

units account for roughly 25% of the commercial market in California. A heat pump is nearly identical to an air conditioner with. 3D California. Rebates for climate friendly changes to your home Rates.ca heat pump or solar panels. These upgrades can give you tax s grants rebates and can even help you save money by lowering your home. 3E California. This startup could save you thousands with the first 'intelligent' hot water heater of its kind. Yahoo. A Cala heat pump water heater should be like the most amazing maid of honor or best man at a wedding the CEO of Cala told The Cool. 3F California. the United States and Canada. Startup develops next generation heat pump system for homes to make it easy to convert. MSN. Quilt's mission is to help homeowners install heat pumps while taking advantage of every government rebate they qualify for. The entire process is designed to save everyday Americans money by reducing HVAC costs in the home. The company has just started taking orders from U.S. and Canadian residents at the [Quilt website](#), though it appears only customers from California can expect an opportunity to get an installation in the coming months, while those in other areas can place a refundable \$100 deposit. "Reserving a Quilt outside of these areas secures your spot at the front of the line when we come to your city," the website says. 4 Idaho. City News to Use Community News idahopress.com 1. Building/Zoning Department Winter quickly approaches. If you will install a woodburning stove pellet stove or gas fireplace ensure you or. 5 Iowa Sioux City. [RAWSEP View](#). The wood burning fireplace has been closed off at this location, heightening the curb appeal of the property. From the article. [Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates, a 501c3 nonprofit organization.](#) 610 Earl Street Pender NE 68047 MLS# 826417 Sioux City Journal. Koto homes. A wood burning fireplace has been closed off. Basement Kitchen area has an electric stove chest freezer sink and portable dishwasher. Store room. 6 Louisiana. Judge blocks federal government from using Civil Rights Law to protect Louisiana residents. The Cool Down. rebate for installing a modern dual use heat pump for space The heat pump is an elegant replacement for the furnace and cheaper to. 7 Massachusetts. Advocates hope utility's winter heat pump rate discount becomes model for Massachusetts utilities. Energy News Network. Until will begin offering a lower wintertime electricity rate next year to customers with heat pumps which is expected to make the. 8A Minnesota. Campfire ban now in place for Boundary Waters Canoe Area Wilderness MPR News. In response the Superior National Forest is now banning campfires charcoal grills and woodburning stoves in the BWCAW until further notice. Gas. Minnesota. Boundary Waters burning ban closures announced amid fire danger Brainerd Dispatch. As a result of the recent spread the Superior National Forest is reinstating the closure of Wood Good Hula and Indiana lakes and the connecting Boundary Waters fire restrictions to go into effect Tuesday MSN. The order which will go into effect Tuesday Oct. 1 prohibits charcoal grills barbeques and grills both coal and woodburning. 8B Minnesota. Superior National Forest restricts campfires in BWCA. Northern News Now. fire or campfire including charcoal grills and barbeques coal and woodburning stoves. 9 New Hampshire Peterborough. Shaheen Hassan Kuster Applaud \$1.7 Million Headed to Peterborough 8 Company to. Senator Maggie Hassan. The funding will help the company research and develop low cost miniature residential cold climate heat pumps that will help Granite State homeowners. 10A New York. Com Ed Converts 450 Homes to All Electric Through Whole Home Electric Program Business Wire. Business Wire. Com Ed offers a variety of heating and cooling efficiency programs including a heat pump rebate of up to \$1400 which can be obtained from, 10B New York. So You Want to Know About Heat Pumps The Brian Lehrer Show WNYC. What to know about heat pumps the climate friendlier option for home heating and cooling. 11 Pennsylvania. Picking up steam Pittsburgh company pioneers heat pump technology to warm and cool buildings. Pittsburgh Post Gazette. Mr. Palcic's company O'Hara based Clean Heat Technologies has developed a heat pump system utilizing CO2 designed to supply heating and air. 12 South Dakota. [RAWSEP View](#). Left behind. From the article. [Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates, a 501c3 nonprofit organization.](#) South Dakota opts out of Inflation Reduction Act energy rebates. CNBC. rebate programs tied to energy efficiency \$8000 for an ENERGY STAR certified electric heat pump for space heating and cooling. 13 Wisconsin Pierce County. Green

energy makes homeownership more affordable. Pierce County Journal. Heat pumps can transfer heating and cooling more efficiently through Rebate Program low income households can receive up to \$14000 for. 14 Brazil. Fires and climate issues ignored in key Amazon and agro elections. The Brazilian Report. At the end of August the capital of the Amazonian state of Rondônia hit a level of particle pollution from fine particulates PM2.5 that was. 15 New Zealand. Air quality Tokoroa one of the worst towns in NZ for hazardous air particles NZ Herald. burning wood especially in Tokoroa The South Waikato District Council could introduce a bylaw to progressively outlaw old wood burners. 16A Canada. Tesla keeps Model 3/Y pricing and rebate eligibility unchanged as 100% tariff on Chinese. Drive Tesla Canada. rebate on electric vehicles EVs built in China. One of the biggest items upgraded in the refreshed Model 3 the new heat pump has been added back. 16B Canada Ontario. Financial incentives alone are not enough to get more heat pumps in homes Link2Build. heat pump. This will require that government funding initiatives also include funding for skilled training programs for these boots on the ground. 17 Ireland.

RAWSEP View. Protecting human health should be the first priority of any organization. The first priority of this IrBEA organization is stated as maximizing wood harvesting for maximum corporate profits. From the article 15th February 2024. The Irish Bioenergy Association (IrBEA) has published a guide to Specified Biomass Harvesting (SBH) as part of sustainable forest management. Ireland has grown a significant forest resource over the past century since independence, with much of this forest resource now reaching harvest stage. Maximizing the value of this harvest, while protecting the forest environment and optimizing future crops are challenges that are being addressed through sustainable forest management.

RAWSEP View. All wood burning emits 90% 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. Just do not burn wood to begin with. Just do not burn wood bioenergy sources to begin with. Do not buy into the scientifically debunked theory of Carbon Neutrality of Wood Burning. Subsidies for bioenergy only pollute the air and bring us closer to climate change. Replacing coal burning with wood burning at the United Kingdom Drax power plant caused PM2.5 emissions to increase fourfold according to a recent report by Ember. From testing of the cleanest burning wood stove in the United Kingdom the Ecodesign Wood stove came these statistics that wood burning emits 450 times the PM2.5 as natural gas burning and wood burning emits 2.8 times the CO2 and PM2.5 as the fossil fuel coal burning. There are clean alternatives for home heating such as Heat Pumps with Rebates in 24. From the article. **Excerpts edited by RAWSEP**

for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates, a 501c3 nonprofit organization. IrBEA welcomes EPA air quality report focus on solid fuels regulations. Bioenergy Insight. Independent research confirms that there is a significant reduction in particulate emissions from the use of dry wood fuels compared to wet wood fuels. 18A United Kingdom. Get a Heat Pump dot org dot U K Newly launched website provides helpful guidance on heat pumps for homeowners. Nesta.

Renovation tips on how to prepare your home for a heat pump. Transitioning from gas boilers to low carbon heating systems such as heat pumps will be. A new website, GetAHeatPump.org.uk, has been launched to provide UK homeowners with impartial and easy-to-understand advice on heat pumps. The platform, supported by Nesta and the MCS Foundation, offers consumer-friendly resources aimed at helping people navigate the process of switching to a heat pump. United Kingdom. Editor's note heat pumps still not considered cool Sustainable Views. **Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates, a 501c3 nonprofit**

organization. September 30, 2024. The price of heat pumps and concerted campaigns in certain countries against the technology and its effectiveness. The UK's last coal-fired power plant will close today, September 30, 2024. In the early 1980s, coal power made up 80 per cent of the UK's electricity needs. By 2012, this figure had dropped to 40 per cent. From October 1, UK electricity production will be coal-free thanks to huge increases in wind, solar and declining electricity demand. As a consequence, UK power sector emissions have fallen by 74 per cent in the past 12 years. The plummeting costs of renewables, notably solar and offshore wind, are largely behind the transition. "The UK was the first country to build a coal-fired power station. It is right that it is the first major economy to exit coal power,"

says the campaign director at climate change think-tank E3G. In September 2024 the UK foreign secretary said the UK would set up a “clean power alliance”, with a focus on scaling up investment. ‘Lack of policy consistency’ on heat pumps. The head of energy at think-tank the Energy and Climate Intelligence Unit, wants to see the government doing more on insulating homes and rolling out electric heat pumps to bring down heating and health bills. “Heat pumps are required for our energy security as we have learnt the hard way,” she says. The EU is also struggling with its heat pump rollout. Figures published last week by the European Heat Pump Association, ahead of its annual industry get-together in Brussels, show heat pump sales across Europe in the first half of 2024 were 47 per cent lower compared with the same time period last year. “To ensure Europe’s long-term competitiveness and to eliminate coal, oil and gas in the heating and cooling sector we need to reverse the slowing heat pump market.” The price of heat pumps, and concerted campaigns in certain countries against the technology and its effectiveness, are not helping. At the European Heat Pump Association, annual event in Brussels, “expensive” stood out by a mile in a word cloud produced by the audience on what most people they meet say about heat pumps. Speaking at the same event, the secretary-general of electricity industry body Eurelectric, said another challenge to their rollout was the need for more investment in grids by €67bn a year from now until 2050. The organization Eurelectric believes this figure could be reduced to €55bn annually by improving asset performance, enhancing grid-friendly flexibility, and making anticipatory investments.. Sustainability absent from US courts. A professor of law at the Washburn University School of Law, who argues sustainability is all around us, in name at least, except in the US courts. May quotes analysis from the Washington University School of Law showing the Supreme Court has issued around 30,000 decisions since its first in 1791, with hundreds touching on environmental issues, yet “astonishingly, none have directly addressed [sustainability](#)”. Bringing sustainability taxonomies in line. [RAWSEP View](#). Misleadingly using only the word renewable in front of the words wood burning without preceding wood burning with the words highly polluting puts wood burning misleadingly in the same category as the clean renewables of wind and solar. The debunked theory which uses the phrase Carbon Neutrality of Wood Burning also has to be removed from all sustainable taxonomies since sustainability combined with air pollution is a false solution. From the article. [Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates, a 501c3 nonprofit organization](#). The vice-president for Europe, Latin America and the Caribbean at the International Finance Corporation, and the Central Bank of Azerbaijan governor spoke about sustainable taxonomies. They highlight that while the many different sustainability taxonomies are good news, [more alignment](#) between them is needed if climate targets are to be achieved. The authors set out how they plan to move the debate forward later this autumn at COP29. 18B United Kingdom. [RAWSEP View](#). Is this article a public service that guides people to clean energy Heat Pump Rebates in the United Kingdom? Or are these tips on how to burn wood and evade detection, like radar detectors are used to avoid detection of speeding or drunk driving? This sorry excuse for an article encourages people to use wood burning for home heating despite it being harmful to the wood burner’s health as well as harmful to the health of the near neighbors of indoor residential wood burners. From the article. [Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates, a 501c3 nonprofit organization](#). Log burner rules 2024 How to avoid fines when using your woodburning stove this winter. Daily Express. With winter just around the corner it's important to abide by the UK woodburning stove laws and regulations if you're planning on using one when. United Kingdom. Log burner rules 2024 How to avoid fines when using your woodburning stove this winter. Daily Express. United Kingdom. New 2024 log burner rules explained how to avoid fines when using your stove. The Mirror. 18C United Kingdom. Green levies are making heat pumps more expensive. [RAWSEP View](#). It seems questionable that Green levies are keeping Heat Pump costs high. From the article. [Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates, a 501c3 nonprofit organization](#). New Statesman. Heat pump take up in the UK is extremely low. But there's a simple way to reduce running costs for those that make the switch. 18D United Kingdom. NIBE helps

consumers 'Take the Step' into heat pumps ACR Journal. NIBE Energy Systems has launched a new campaign to help consumers in the UK understand the benefits of heat pumps debunking myths and providing. 18E United Kingdom Blackpool. Fire Prevention Week a message from Blackpool Fire Rescue. Clearwater Times. With cooler weather conditions local residents will start burning wood in their wood stoves says Savage. Smoke alarms Make them work for. 18F United Kingdom Gloucestershire. **RAWSEP View.** Any wood burning is the wrong fuel burning since wood burning emits 450 times the PM2.5 as natural gas burning and wood burning emits 2.8 times the CO2 and PM2.5 as the fossil fuel coal burning. These statistics are from testing the cleanest burning wood stove in the United Kingdom the Ecodesign wood stove. From the article. **Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates, a 501c3 nonprofit organization.** Homes with log burners face £1000 fines for using 'wrong fuel' Yahoo News UK. a wood burner. People who have log It's estimated that around 1.5million Brits have wood burners in their homes. United Kingdom Gloucestershire. Households with log burners could be fined £1000 for using 'wrong fuel' Gloucestershire Live. It's estimated that around 1.5million Brits have wood burners in their homes. But new laws came into effect a year ago that could land people in hot. 18G United Kingdom London. Anzen solid state heat pumps for hard to decarbonize homes. RIBA Journal. **RAWSEP View.** The RIBA Journal is an architecture magazine and website published by the Royal Institute of British Architects, based in London. From the article. **Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates, a 501c3 nonprofit organization.** Why hard to decarbonize homes need solid state heat pumps. 1 October 2024. Specify heating cooling and ventilation. 18H United Kingdom Shropshire. 'Believed to be a false alarm' Mist in the woods causes fire alert. Shropshire Star. Fire fighters were scrambled to a wooded area near Clun after a caller reported smoke in a wooded area. 18i United Kingdom Scotland. **RAWSEP View.** This government waffling on replacing wood burning stoves in new construction with clean home heating sources such as Heat Pumps which arrive with Heat Pump rebates in 2024 brings uncertainty to home building and thus must negatively affect home building. 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 and changes to New Build Heat Standard Scotland. Federation of Master Builders. Key update for Scotland members wood burning stoves can now be installed in new build homes. 18J United Kingdom Scotland. Heat network projects quarterly report. September 2024. The Scottish Government. Air source heat pumps on rood of high rise flats. Mac Kenzie Gardens' Zero Emissions Heating Project. Lead Organization Grampian Housing Association. 18K United Kingdom Scotland. Scotland 'on track' for record number of heat pump installations. Scottish Construction Now. Ian Rippin CEO of MCS said Our data shows that a growing number of homeowners across Scotland are investing in heat pumps which are one of the. 18L United Kingdom and Sweden. Britain should warm to heat pumps like Sweden. The Guardian. Letter Tim Bradley says heat pumps are used extensively where he lives and wonders why they are so expensive in the UK. 18M United Kingdom Wales. **RAWSEP View.** The home here has a gas fired stove that resembles a log burning stove if you like that sort of thing. From the article. **Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates, a 501c3 nonprofit organization.** Llanarmonynlal 'Remarkable' home set in 15 acres for sale. Rhyl Journal. Within the reception room there is a realistic log effect gas fired wood burning stove. To the far end of the reception room a further doorway. 18N United Kingdom Wales. Powys woodland fire turns out to be low lying mist. County Times. Wood Knighton proved to be a false alarm Crews used thermal imaging camera following a report of smoke coming from Kinsley Wood. 19 Europe. Environment statistics at regional level. European Commission European Union. Fine particulate matter covers particles with a diameter of 2.5 micrometres or less otherwise referred to as PM2.5. In September 2021 the World. 20A Denmark. Aalborg CSP supplies heat pump station to EU's largest geothermal project. Renewable Energy Magazine. Danish renewable energy specialist Aalborg CSP has partnered with the Danish geothermal heating company Innargi to supply an integrated heat. 20B Denmark. Magnetocaloric heat pump for residential

applications PV Magazine. Researchers in Denmark built a magnetocaloric heat pump prototype for heating purposes in residential buildings. Although more work is needed to. 21 The Netherlands. Amersfoort first large Dutch city to fine people for using woodburning fireplaces NL Times. Amersfoort wants to protect residents from inhaling the harmful substances in wood smoke. The smoke from a wood fire contains a lot of particulate. From Tuesday Amersfoort residents are only allowed to light their woodburning fireplaces if the weather conditions allow smoke to dissipate. The Netherlands. Amersfoort first Dutch city to impose ban on wood burning stoves. DutchNews.nl Amersfoort has become the first Dutch city to ban wood burning stoves under certain weather conditions following reports from people who said the. 22 Germany Nuremberg. Diehl Controls Presents Innovative Power Package for Heat Pumps at Chill venta 2024. Diehl Controls is presenting a new power package for heat pump manufacturers for the first time at this year's Chill venta trade fair in. 23 Greece. Wildfire burning through forest in southern Greece kills 2 people WOODTV.com Wildfire burning through forest in southern Greece kills 2 people. 24A India. 94% Women respondents demand Fare Free Public Bus Transport Ahead of Maharashtra. Greenpeace. Greenpeace India. Unveils Alarming PM 2.5 Levels in 10 Southern Cities Raising Serious Health Alerts. Bengaluru September 6 A latest report by. 24B India. Eco Friendly Cremations Pune Air Hub Launches 'Green Farewell' Campaign. The Bridge Chronicle. wood while 371 are conducted using electricity and 172 using gas. Wood cremations release harmful pollutants including Particulate Matter PM2.5, 24C India. Ghaziabad's Loni & RNE Six Areas with Severe Air Pollution. Noida News. Times of India. particulate matter PM 2.5 a major factor contributing to poor air quality in Delhi too. The city has consistently ranked among the most. 24D India Delhi. Rai launches Green War Room at Delhi Secretariat. Daily Pioneer. Gopal Rai said under such unfavorable conditions all we can do is to keep under check the sources of pollution that cause PM 10 and PM 2.5 in the. India. Rai launches Green War Room at Delhi Secretariat NYOOOZ. PM 10 and PM 2.5 in the atmosphere. To control it the Delhi government in collaboration with the people of Delhi has put in place a 21point. India. 'Green War Room' launched in Delhi for better implementation of antipollution plan. The Statesman. Rai has said under such environmental conditions efforts would be made to keep the sources of pollution that cause PM 10 and PM 2.5 under check. RAWSEP View. The Green Room appears to be a play on words because Green Room is where celebrities wait until they are scheduled to appear on stage to be interviewed and of course Green means clean energy so the Green Room is the room where it happens, where the government hopefully makes good decisions that enhance the environmental conditions in India. 25 Japan. Rinnai sets record with largest heat pump units delivery to date. Installer Online. Rinnai has started deliveries of its biggest ever intake of orders for its range of commercial heat pumps. The order is said to be worth several. 26 PM2.5 and cardiovascular health. Impact of indoor air pollutants on the cardiovascular health outcomes. Dove Medical Press. The most common forms of indoor air pollution in low income settings come from the biomass fuels which produce particulate matter PM2.5,