

Episode 56MP December 7, 2023. 1 Heat Pump for an entire U K village. Wood stove increases home insurance.

United Kingdom. Vast village heat pump tests one route to net zero for rural Britain.

https://www.reuters.com/world/uk/vast-village-heat-pump-tests-one-route-net-zero-rural-britain-2023-12-06/?utm_medium=Social&utm_source=twitter

December 5, 2023. SWAFFHAM PRIOR, England, December 6, 2023.

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

In a pilot project in eastern England a vast heat pump supplies heat to houses throughout a historic village. The gleaming silver water vats and heat pump produces water hot enough to feed existing domestic systems, removing the need for costly home retrofits. A 60-year funding scheme removed upfront costs. Supporters say the network, the first of its kind in rural Britain, addresses how it can fund the wider net zero transition when household finances are tight. "The truth is getting to net zero is going to cost money," said an employee of Bouygues Energies & Services, which helped design and build the heat network in Swaffham Prior, near Cambridge. In the U K is to hit the goal by 2050 it will need to decarbonize 28 million homes - a major challenge when 85% rely on piped natural gas for heating and hot water, and when that gas is significantly cheaper than the electricity used by heat pumps. To tackle the almost one-third of UK carbon emissions that come from heating, it has a target of 600,000 heat pump installations per year by 2028. Heat Pump installations were expected to flatline at around 55,000 in 2023. In Swaffham Prior, where a majority of homes were heated by oil, a research team found one large network would be more efficient than individual heat pumps, while the community approach and lack of upfront payment meant residents were more willing to sign up. The 12 million pound (\$15 million) cost was covered by a 3 million pound government grant and a loan secured by the local council which will be repaid via household bills over 60 years. So far in a village of two churches, two windmills and around 300 houses, more than 60 are connected to the heat pump which uses both air and ground heat sources. More than 35 are ready to be added, and others are weighing whether to join. Those behind the project say it will not work for all communities - rural or urban. The heat pump industry is closely following the progress of the UK's first rural heat network, as it acknowledges that high initial costs for individual installations can put people off, even if a heat pump may be cheaper in the long run. Heat pumps are most cost-effective when used in well-insulated homes with large emitters, such as under-floor heating. Britain's Heat Pump Association says demand will also only really take off if the taxes and levies system are used to lower the cost of electricity. The government said last week however it had seen a leap in heat pump applications after it increased the grant on offer in England and Wales to 7,500 pounds. That funding means the cost of installation can be comparable to getting a new gas boiler. United Kingdom, Drax. [Drax in defensive mode as it lobbies for subsidies extension - The Armchair Trader](#) Drax already has a subsidy for its wood burning up until 2027. Recently, it has begun lobbying the British government for an extension to this subsidy. United Kingdom, Merton. [Merton residents asked to avoid burning wood fires](#) Merton Council Newsroom. Merton Council is asking residents with real coal fires or wood burning appliances not to use them this winter unless there is no other option. United Kingdom, Nottingham. [Climate group issues major health warning to anyone with wood burning stove in their home](#) Gedling Eye. Wood-burning stoves produce 150 times more tiny particle pollution than a modern HGV truck, a new report by Clean Air Nottingham claims. United Kingdom, Oxford. [Consultation opens on Smoke Control Area expansion | Oxford City Council](#) Particulate pollution is a growing concern across the country, and government data shows that wood burning stoves release more small particulates than. United Kingdom, York. ['Fuel for Thought' this Winter - City of York Council](#) The council has launched its new 'Fuel for Thought' campaign this week, raising awareness of the dangers of burning wood and other solid fuels in. Gaza, Khan Younis. ["I want to put this tent on the rubble" | The Electronic Intifada](#) In the early morning hours, the smell of wood-burning fires rises from all directions in the southern town of Khan Younis. The smell comes from. United Kingdom, Wales. [What is 'wet wood' and why does the Welsh Government want to ban it in homes? - ITVX](#) Concerns have been raised over the impact wood burners are having on clean air, particularly in urban areas. Log burners have become increasing. Wood Stove and Home Insurance. [How Much Does A Wood Stove Increase Home Insurance? - TechBullion](#) A well-equipped home with smoke detectors, fire extinguishers, and even a sprinkler system may demonstrate to insurers that you take safety seriously. World. [Black carbon accelerated melting of snow and ice in critical regions, says new report](#) Millennium Post. Black carbon is a fine particulate matter (PM 2.5) component of the polluted air, a leading cause of poor health and premature deaths. World. [Black carbon accelerated the melting of snow and ice in critical regions: new report - PSU Watch](#) Black carbon is a fine particulate matter (PM 2.5) component of the polluted air, a leading cause of poor health and premature deaths. United States. [Coast Guard Warns Against Wood Pellet Fire Hazard - The Waterways Journal](#) The first identified hazard in the case of the two barges was visible smoke from already smoldering pellets. wood ablaze and sending a cloud of. United States. Wildfires. [Wildfires have offset 20 years of air quality gains in US West: study | The Hill](#) To draw their conclusions,

the scientists calculated nationwide concentration of both fine particulate matter (PM 2.5) and what they described as. Alaska, Fairbanks. [Balancing breathable air and heating your home: a tightrope | Opinion | newsminer.com](#) Fairbanks Daily News-Miner. wood smoke. “ unfortunately, wood smoke is a major contributor to air pollution in the FNSB Nonattainment Area . This is of particular. California, Pomona. [Students to face traffic due to fire damages on the I-10 freeway - The Poly Post](#) burning, leaving more than 100 support beams damaged. “Wood burning is better than oil truck crashing and burning, causing more damage than what. California, Sacramento. [DA Thien Ho accuses Sacramento of allowing homeless to pollute waterways, endangering health](#) The Sacramento Bee. wood-burning stove, pipes, a wheelchair and other refuse. Roland Brady, a geologist and volunteer with the alliance, said such camps pose a threat. Colorado, Greenville. [Deputies investigate shots fired after road rage incident in Greenville Co. - WSPA](#) fired at Dollar Tree, located at 1451 Woodruff Road. Electric fireplaces have become a popular choice in place of traditional wood-burning. Colorado, Alamosa. [BLM plans two pile burns in San Luis Valley - Alamosa News](#) smoke may affect your health. For more information see www.colorado.gov/pacific/cdphe/wood-smoke-and-health.” For additional information. Connecticut, New Haven. [Seymour House Fire Ruled Accidental, Fire Marshal Says - Valley Independent Sentinel](#) New Haven Independent. The fire that broke out at 52 Steep Hill Road originated in the chimney of a wood-burning stove in the home's living room, according to Seymour. Illinois, Chicago. [Are electric fireplaces safe? - WGN Radio](#) An electric fireplace heater is designed to look like a traditional wood-burning fireplace. However, it uses electricity to generate heat and is. Indiana, Delaware County, burglar found in wood burning stove. [Delaware County burglary suspect found hiding in wood-burning stove - The Star Press](#) wood-burning stove. Michael Wayne Foster, 33, and Shyanne Nichole Wellington, 25, both of Muncie, were taken into custody early Monday evening. Indiana, Delaware County. [Indiana burglary suspect found hiding in wood stove, authorities say - WEVV](#) The DNR says K9 Marley tracked to a nearby barn, where a man and woman were found. According to the DNR, the man was found crammed into a wood-burning. Louisiana. [Three die in Louisiana house fires over the past two days - KATC](#) wood-burning stoves and ensure proper ventilation • Do not leave If you need assistance obtaining smoke alarms for your home, Operation Save-A-Life. Louisiana, Bayou Vista. [Tips on Keeping Warm but Safe this Winter - KQKI News](#) Do not use stoves or ovens to heat homes. Don't overfill fireplaces/wood-burning stoves Do not leave candles/open flames (or space heaters). Louisiana, Lake Martin. [Well-known Lake Martin cypress tree burns - KATC](#) "I'd imagine that in the video, the fire was burning that dead wood. Being dried wood, it would have burned pretty quickly, thus saving the rest of. Massachusetts, Springfield. [East Springfield wood-burning power plant project dealt courtroom blow - MassLive.com](#) Wood, while not a fossil fuel, is carbon-heavy and there are environmental consequences to burning it, Epke said. At the time the Palmer Renewable. Michigan, Detroit. [Detroit family tackles asthma with DIY air filters — and measures the results - Outlier Media](#) Aidan and Dominique can see on the app what he's breathing in real-time. The monitors track particulate matter (PM 10 and PM 2.5), nitrogen oxide and. Montana. [Winter Burning Starts Today - State of Montana Newsroom](#) Montana.gov No permit is required. Only clean, untreated wood and plant material may be burned. Do not burn: food wastes, plastics, wood that has been coated. New Hampshire. [Court rules construction permits have expired for Springfield biomass project - NHPR](#) wood-burning biomass plant. A proposed biomass power plant in Biomass plants burn wood, which have led to air quality concerns among opponents and. New York. [Residential And Commercial Wood Burning - NYDEC](#) New York State Department of Environmental Conservation. OWBs can also be used to heat swimming pools, greenhouses, milk rooms, etc. Regulations for OWBs. DEC adopted Part 247, Outdoor Wood Boilers North Carolina, Wilmington. [CoastLine: Justin Catanoso on Enviva crisis, wood pellet industry, why environmental](#) WHQR wood pellet burning contributes more to the climate crisis than burning coal. Wood pellets resemble manufactured hamster food -- just slightly larger. North Dakota, Mantador. [Fire damages former bank building in Mantador ND; wood burning stove possible cause](#) KFGO The cause of the fire is under investigation but may have been linked to a wood-burning stove. Mantador is located about 26 miles southwest of. North Dakota, Mantador. [Fire damages former bank building in Mantador, North Dakota - KVRN Local News](#) The extent of the damage has not been determined. The cause of the fire is under investigation but may have been linked to a wood-burning stove. North Dakota, Mantador. [Multiple crews responded to structure fire inside former bank building in Mantador, ND](#) Valley News Live. Authorities say the. North Dakota, Mantador. [Downtown Mantador building catches fire | | wahpetondailynews.com](#) According to the Richland County Sheriff's Office, the fire is possibly linked to a wood burning stove. Fire crews from multiple jurisdictions. Oregon. [Wood Stove Ashes Cause House Fire | MyCentralOregon.com - Horizon Broadcasting Group, LLC](#) MyCentralOregon.com Improperly discarded ashes from a wood stove started a fire to residence in northeast Bend Thursday. Around 2:45pm, a man reported to 911 seeing smoke. Washington. [Hold That Smoke: Why We Call Burn Bans - Washington State Department of Ecology](#) This may trap unhealthy levels of smoke from wood stoves and fireplaces, triggering a burn ban to improve the air quality and protect public health. It comes from wood stoves, fireplaces, and other wood-burning

appliances. "Wood smoke is the result of combustion and creates particles so small. Washington, Whatcom County. [NWCAA lifts Stage 2 air quality burn ban for Maple Falls area - Whatcom News](#) While air quality has improved, residents are being asked to limit indoor wood burning smoke. Enter your email address below to receive. Wisconsin, Lodi. [Shed and several tractors destroyed in Lodi fire | News | wkow.com](#) The Lodi Area Fire Department said the fire started near a wood burning furnace used to heat the area. The family and their pets are safe. Canada, British Columbia, Prince George. [BC Hydro to burn wood debris at Site C - Prince George Citizen](#) BC Hydro says its planning to conduct burning at the Site C project, once suitable venting and ground condition are met. Australia, wood heaters and deaths. [Wood-fire heaters cause up to 63 deaths in Canberra a year, study finds](#) The Canberra Times. Researchers say smoke from wood fires in Canberra is responsible for up to 63 premature deaths annually. A ban and transition to clean energy is. India, Bhubaneswar. [Air Pollution: Docs warn of city's poor air quality - Bhubaneswar | - Times of India](#) In August, PM 2.5 levels reached a record high of 392.9. Residents attribute the pollution to industrial emissions and vehicular traffic. India, Delhi. [AQI improves slightly in city but still in very poor category - The Statesman](#) The city's prominent pollutant responsible for spoiling the air remained to be the PM 2.5 micro particulate matter, the CPCB said. According to. India, Delhi. [Delhi Air Pollution: Delhiites Witness Slight Improvement In Air Quality, AQI Remains At 'Very](#) English Jagran. Delhi AQI: The average level of PM 10 and PM 2.5 in the air of Delhi-NCR was more than two and a half times the standard level on Friday. India, Delhi. [Delhi Air Pollution: Not much boost for AQI despite drizzle - The Times of India](#) The area has the worst AQI in the city, with high levels of particulate matter (PM 2.5) and nitrate oxide. Data from the Telangana state pollution. India, Delhi. [Delhi airport: 20 flights diverted due to bad weather - PSU Watch](#) Black carbon is a fine particulate matter (PM 2.5) component of the polluted air, a lea Read More · Two railways officers among. India, Delhi. [Have Log Burners or Wood Stoves At Home? Know How This Negatively Impacts Your Health](#) Times Now. Using log burners or wood stoves for warmth may harm your health, releasing PM2.5 particles that worsen air quality, **potentially** causing. India, Kolkata. [Kolkata: Warmest November in 13 Years | Temperature, Rainfall, and El Niño - The Times of India](#) PM 2.5 levels. The analysis by Respirer Living Sciences (RLS) based on CPCB data shows that this November had lower PM 2.5 levels than November 2022. India, Lalbagh. [Lalbagh, Gombinagar and Talkatora are most polluted - Times of India](#) PM 2.5 and PM 10 average concentrations on Friday was 313 and 180 micrograms, respectively. Toxic Talkatora: Its main industry is the reason for the. India. [Money spent, pollution doesn't decrease - Prothom Alo English](#) The source of 40 per cent of pollution is straw, wood, smoke and small objects. Besides, polluted air comes across the border. A project named air. India. [No respite from pollution as Delhi air remains in 'very poor' zone - The Statesman](#) Primary pollutants in the city air continued to be the PM 2.5 micro particles, the Central Pollution Control Board's (CPCB) said. India. [Not in good taste: PM2.5 levels take the smoke out of tandoors - Hindustan Times](#) The once-ubiquitous wood-charcoal fired tandoor has faded from kitchens in Delhi's restaurants since 2018, when authorities began clamping down on. India. [Nov Air Quality: Pm2.5 Count Dipped By 11.3% From Last Year's But Still In 'poor' Category](#) The Times of India. Significantly, finer particulate matter of the size of 2.5 microns is considered to be the most dangerous for human health as they can travel to lung. India. [With slight improvement, Delhi air remains under 'poor' category - The Statesman](#) Primary pollutants in the city's air remained PM 2.5 micro particles, the CPCB said in its daily AQI bulletin released at 4 pm every evening based. India, Madanpura. [Wood-based chimney smoke of bakery troubling residents in Madanpura - Hindustan Times](#) Shahid Shaikh, a resident of Mumbai, has been plagued by toxic smoke from a bakery chimney outside his house. Despite complaints, the BMC has. Thailand. [Thailand News | Young clinician's death sparks pollution concerns - YouTube](#) PM 2.5 air pollution in his illness. His public battle with cancer, documented on Facebook, garnered widespread support, especially from the. PM2.5 and residential. [Assessing residential PM2.5 concentrations and infiltration factors with high spatiotemporal - PNAS](#) Exposure to fine particulate matter (PM2.5; particles smaller than 2.5 µm in aerodynamic diameter) is one of the leading risk factors for. PM2.5 and mortality. [Long-term mortality burden trends attributed to black carbon and PM2.5 from wildfire - The Lancet](#) Black carbon as an additional indicator of the adverse health effects of airborne particles compared with PM10 and PM2.5. Environ Health Perspectives. PM2.5 and toxic brown carbon. [How are toxic brown carbon nitroaromatics produced in biomass smoke? - Phys.org](#) PM2.5 from catechol. Moreover, this catechol chemistry contributes to By measure of year-round particulate matter with a diameter of 2.5

