

Web 57DHYAFZZFLZA July 28 2026 Illinois heat pump rebates but New York information misdirection

In this Webisode [1 World](#) [2 United States](#) [3 Arizona](#) [4 California](#) [5 Colorado](#) [6 Connecticut](#) [7 Illinois](#) Utility bill laws signed with clearer charges and discounts up to Eighty Four Percent According to The Journal Brown County Rural Electric Association offers rural customers rebates for geothermal and air source heat pumps and New Ulm Illinois Signs Utility Bill Laws with Clearer Charges and Discounts Up to Eighty Four Percent [8 Maine](#) [9 Minnesota](#) [10 New York](#) RAWSEP View Information Misdirection From the article headline What is Polluting the Hudson Valley Air? Wood combustion releases fine particulate matter as well as a mixture of hazardous compounds Farina argues that public understanding of wood smoke is roughly where awareness of secondhand cigarette smoke stood decades ago RAWSEP View Just do not burn wood to begin with Just put PM Two Point Five monitors hyperlocal to the source of air pollution which is Indoor Residential Wood Burning [11 Oregon](#) [12 Pennsylvania](#) [13 Rhode Island](#) [14 Washington](#) [15 Washington DC](#) [16 Wisconsin](#) [17 United Kingdom](#) [18 France](#) [19 Germany](#) [20 Taiwan](#) Main Content

[1 World](#) PM TWO POINT FIVE Global particulate pollution research reflects economic capacity more than pollution burden Nature Fine particulate matter PM TWO POINT FIVE particles smaller than Two point Five micrometers in aerodynamic diameter represents one of its most harmful components and remains a

[2A United States](#) PM TWO POINT FIVE Air Pollution From Wildfire Smoke Set Records for Many Analysis Shows n y times Many towns and cities recorded their highest readings of one pollutant known as PM TWO POINT FIVE in Twenty years

2B United States heat pump Best whole house heat pumps of Two Thousand Twenty Six per Consumer Reports Quartz A noisy or inefficient heat pump raises bills all year long Consumer Reports tested heat pumps for efficiency noise and reliability

2C United States Northeast Public Radio serving Seven states heat pump Heat pumps on the rise WAMC Heat pumps are highly efficient all in one heating and cooling systems Ordinary furnaces burn fuel to produce heat The Heat pumps move existing heat

2D United States PM TWO POINT FIVE How Particulate Matter From Wildfire Smoke Impacts Our Health Sierra Club particulate matter PM Two point Five was bright red measuring over One Hundred micrograms of PM per cubic meter This is well above the Environmental Protection

2E United States heat pump US heat pump presence nearly matches furnaces in new homes as gas heating falls to The Cool Down Heating choices in newly built US homes kept shifting in Two Thousand Twenty Four as heat pumps came within a percentage point of forced air furnaces in market

2F United States heat pump US heat pump surge beats furnaces by Thirty Two Percent reaches nearly half of new homes The Cool Down New data suggests that heat pumps are moving closer to the mainstream both in newly built homes and across the broader HVAC market Yahoo Tech For homeowners the appeal can show up in both comfort and cost Heat pumps cover heating and cooling with a single unit and they use energy more

2G United States PM TWO POINT FIVE Wildfire Sourced PM TWO POINT FIVE and Emergency Department Visits for Migraine and Other Primary Headache JAMA Network Question Is exposure to wildfire sourced fine particulate matter with an aerodynamic diameter of Two point Five micrometers or less PM TWO POINT FIVE associated with emergency Eureka Alert! About the study Is exposure to wildfire sourced fine particulate matter with an aerodynamic diameter of Two point Five micrometers or less PM TWO POINT FIVE associated with emergency room visits? United States PM TWO POINT FIVE Wildfire PM Linked to Spike in Headache ER Visits Mirage News

3A Arizona heat pump rebate Arizona households have until August First to get rebates for swapping gas appliances for electric Yahoo heat pump rebates Since Two Thousand Twenty Four Efficiency Arizona has provided more than Four point Seven million dollars in rebates and generated Five Hundred Thirty Two Thousand Nine hundred twenty eight kilowatt hours of energy 3B Arizona heat pump rebate The Arizona Office of Resiliency of the Governor updates its appliance rebate program KTAR com Going forward rebates will only apply when replacing existing electric appliances and heat pumps The Hobbs Administration is committed to

4 California wood smoke Navigating the Dangers of Worsening Wildfire Smoke Gov Tech Burning wood smoke is not completely risk free says Yifang Zhu an air pollution researcher at the University of California Los Angeles

5A Colorado heat pump rebate Denver area homes businesses can claim new One Thousand Five Hundred Dollar heat pump rebate The Cool Down Xcel Energy customers may also qualify for heat pump rebates of Three Hundred to Seven Hundred Dollars per heating ton and a Two Thousand Twenty Six bonus can raise that amount to as much as Yahoo According to The Colorado Sun the Denver Regional Council of Governments has launched a One Thousand Five Hundred Dollars Power Ahead Colorado rebate for qualifying heat pump 5B Colorado heat pump rebate Denver launches One Thousand Five Hundred Dollars heat pump rebate plus free energy advising The Cool Down Through a new regional initiative property owners can get both a One Thousand Five Hundred Dollars rebate for a qualifying heat pump and access to free energy advising a 5C Colorado United States heat pump Heat pump interest is surging nationally Eagle County is seeing similar momentum local Vail Daily Americans are making rapid progress towards clean energy and electrification and a recent report shared that many are looking to heat pumps as Vail Daily These rebate programs are not the only ones with the numbers Local HVAC groups are also seeing customer interest in installing heat pumps in their

6 Connecticut heat pump rebate How Local Governments Can Use Communication to Drive Climate Action Yale Program on Climate Change Communication As climate change supercharges hurricanes heat waves and other extreme weather government officials must communicate with their communities about

7 Illinois heat pump rebate RAWSEP View The best thing to do to stop indoor residential wood burning is to Not Burn Wood to Begin With Offering rebates for clean energy appliances like Heat Pumps that work down to Forty Degrees below zero and also function as Air Conditioners is a good start by Illinois Illinois signs utility bill laws with clearer charges and discounts up to Eighty Four Percent The Cool Down

According to The Journal Brown County Rural Electric Association offers rural customers rebates for geothermal and air source heat pumps and New Ulm Illinois Signs Utility Bill

Laws with Clearer Charges and Discounts Up to Eighty Four Percent [AI Overview](#) Governor JB Pritzker has signed House Bill 4456 and House Bill 5524 into law creating a new state-backed plan to lower energy costs for low-income households and make utility bills easier to understand Yahoo plus One Key changes in HB 4456 Expanded low-income discounts The Illinois Commerce Commission ICC now has stronger authority to approve utility discount programs for low-income electric and gas customers originally created under the Two Thousand Twenty One Climate and Equitable Jobs Act Yahoo plus One Full-bill discounts Eligible customers will receive discounts on their entire monthly electric or gas bill not just specific charges Yahoo plus One Tiered system Five income-based tiers allow discounts from Five Percent to Eighty Four Percent of the total bill depending on household income size and local utility costs Yahoo plus One Eligibility Households qualifying for the federal Low-Income Home Energy Assistance Program LIHEAP at or below Three Hundred Percent of the federal poverty level are automatically enrolled up from the previous Two Hundred Percent threshold NPR Illinois plus One This includes individuals earning up to Forty Seven Thousand Eight Hundred Eighty Dollars families of two up to Sixty Four Thousand Nine Hundred Twenty Dollars and families of four up to Ninety Nine Thousand Dollars Yahoo Annual renewal LIHEAP eligibility must be renewed yearly to keep the discount Yahoo plus One Key changes in HB 5524 Billing transparency Utilities must present monthly charges more clearly with line by line breakdowns showing each fee the law authorizing it and the amount collected Yahoo State oversight The Commission on Government Forecasting and Accountability will prepare a charge by charge report for Two Thousand Twenty Five detailing how utility fees are funded Yahoo Why it matters Utility bills can consume up to Twenty Percent of income in low-income communities especially during extreme heat or cold NPR Illinois plus One The new discounts provide immediate relief across the whole bill while clearer billing helps customers understand and challenge charges Yahoo plus One Impact The laws combine direct financial help with consumer protections aiming to reduce energy costs for working families and increase transparency in utility billing Yahoo plus One

**8** Maine wood burning Fire departments battle large wood fire in Saco Sunday news center Maine dot com News Center Maine Once again the Call Division and Saco Professional Firefighters are battling a stubborn woods fire off the Heath Rd in North Saco fire officials

**9** Minnesota Northern Saint Louis County wood smoke The Smoke clears but health threats likely to return The Timber jay During smoke events residents also should avoid creating more particles indoors by smoking or vaping burning candles using wood burning appliances

**10A** New York heat pump rebate Here are 7 powerful New York programs that could save your family thousands of dollars this year SI Live com rebates and NYSEDA programs and utility bill relief and state rebate programs heat pump clothes dryer from participating retailers The maximum 10B New York wood smoke UAlbany Researcher Awarded Three point Nine million dollars to Study Cell Response to Wood Smoke University at Albany July 27 Two Thousand Twenty Six Nutrients found in yogurt and energy drinks could help protect firefighters against respiratory damage caused by wood smoke exposure

**10C** New York wood burning [RAWSEP View](#) This article is an example of information misdirection Just do not burn wood to begin with Just put PM Two Point Five monitors hyperlocal to the

source of air pollution which is Indoor Residential Wood Burning [Back to the article headline](#) What is Polluting the Hudson Valley Air? The River Newsroom Chronogram Magazine Wood combustion releases fine particulate matter as well as a mixture of hazardous compounds Farina argues that public understanding of wood smoke is roughly where awareness of secondhand cigarette smoke stood decades ago

[RAWSEP View](#) PurpleAir PM Two Point Five Monitors are still being misdirected and misused in the Hudson Valley of New York The near neighbor of an indoor residential wood burner who experienced health problems that caused her to retire early is not given relief by the small steps still being taken by the organizations in Kingston New York PurpleAir PM Two Point Five monitors may be among the sensors now being used but they are being used in public buildings rather than hanging from the eaves of near neighbors of indoor residential wood burners PurpleAir PM Two point Five monitors need to be hyperlocal to indoor residential wood burning in order to pinpoint where the air pollution is coming from Then when air pollution source is pinpointed the evidence of the monitors can and should be used to shut down the air polluting indoor residential wood burning appliance one appliance at a time if necessary If as L F argues public understanding or at least wood burner awareness of secondhand smoke from wood burning is roughly where awareness stood decades ago Or indoor residential wood burners may be aware of the air pollution they are causing and the health harm they are causing but they do not care When the step of outlawing cigarette smoking the workplace was taken cigarette smokers may have protested and even used the excuse that they were unaware of the adverse health effects of cigarette secondhand smoke on their fellow workers Cigarette manufacturers and vendors certainly worked hard to keep the facts from the public but by Nineteen Sixty Four many studies had already taken place that showed the adverse health effects of cigarette smoking but the first outlawing of cigarette smoking in the workplace only took place in Two Thousand Six [A1](#)

[Overview](#) To understand when cigarette smoking was outlawed in workplaces consider the following key points The US Surgeon General's report in Nineteen Sixty Four highlighted the health risks of smoking The first major workplace smoking ban was enacted in California in Nineteen Ninety Five The Occupational Safety and Health Administration OSHA issued guidelines in Nineteen Ninety Six recommending smoke-free workplaces The Two Thousand Six U S Supreme Court ruling allowed states to implement stricter smoking bans Many states and cities began enacting comprehensive smoking bans in the late Two Thousands The trend towards smoke-free workplaces continues to grow with many areas adopting bans in recent years

[RAWSEP View](#) When many now work from home wood smoke entering the yards and infiltrating the homes of near neighbors of indoor residential wood burners is like working next to a cigarette smoker in a conventional workplace

[RAWSEP View](#) Canadian wildfire smoke incursions into the United States in June Two Thousand Twenty Three and recently in July Two Thousand Twenty Six on an even larger scale makes air pollution from wood smoke inescapable Misdirecting attention to other air pollution sources than wood burning when talking about wood burning is deliberate misdirection This article should have been more to the point and simply stated that all misdirection to talk about water pollution or candles is stalling so that the people such as E D that had for Eleven years even hearing from L F for all that time a warped close minded view of wood burning can take Eleven Years to take any steps to actually stop indoor residential wood burning The research studies have been there for decades that show harm to health and harm to the environment of wood burning Continuing to locate PurpleAir PM two point five monitors at public schools and libraries not hyperlocal to the source of indoor residential wood burning is misdirection of resources and should be called out for what it is That the air polluted school L F worked at was unusually close to residential wood burning was an anomaly because schools are usually not hyperlocal to indoor residential wood burning Lucky for L F in that instance

as far as detection of source but there is no mention here of L F getting any relief by shutdown of indoor residential wood burning in her area after Eleven years of sharing information and educating the public as well as educating scientists like E D who should have realized much sooner since E D has a science background

**Excerpts edited for brevity and clarity by Residents Against Wood Smoke Emission Particulates** Recently this July in Kingston New York Wildfire smoke had drifted south from Canada and the Upper Midwest turning the sky a milky gray Weather apps warned that the Air Quality Index was elevated Suddenly everyone was thinking about what they were breathing The smoke was conspicuous but scientists and community researchers studying air quality in the Hudson Valley say the visible haze represents only one part of a much larger story Air pollution does not always arrive as an orange sky or the smell of a distant forest fire It can come from a wood burning industrial plant or a neighbor's woodstove or the fire pit burning a few backyards away The nearest official Environmental Protection Agency PM Two point Five regulatory monitors are many miles apart **RAWSEP** interjects that there is vast amount of resident owned PM two point five monitors hanging from the eaves of homes of neighbors nearest to indoor residential wood burners which do not have their data downloaded as evidence of air pollution that should be used to shut down each air polluting indoor residential wood burner one at a time if necessary to protect human health and incrementally slow climate change **Back to the article excerpt** That matters because air quality can differ substantially over relatively short distances Basil Aldarondo of Bard College's Center for Environmental Sciences and Humanities installing an air quality monitor on the Rosendale Library The Director referred to with initials E D here of the Bard College Environmental Community Sciences Lab arrived at Bard College Eleven Years ago in Two Thousand Fourteen and helped develop what eventually became the Bard Community Sciences Lab Its work rests on the principle that scientific expertise should not remain sequestered within universities Communities often recognize environmental problems long before institutions validate them Data can give residents tools to document what they already experience and press for change The Woman Who Started Asking Questions That philosophy eventually connected E D with Kingston resident Lorraine Farina hereafter referred to with the initials L F The L F interest in air quality began in the elementary schools where she worked Public buildings are required to draw in and circulate outside air but the systems do not distinguish between clean air and smoke drifting from nearby wood burning During the final years of her Thirty Five year career from Two Thousand Ten to Two Thousand Thirteen L F says that smoke repeatedly entered the schools through their ventilation systems Students experienced asthma attacks teachers suffered from bronchitis L F developed serious respiratory problems herself and retired early The experience sent her into more than a decade of research and advocacy While serving on Kingston Conservation Advisory Council L F began asking a basic question If the city wanted to improve its air how would it know whether conditions were getting better? Many of Ulster County air quality sensors are installed at libraries and other public buildings reflecting the network mission to make neighborhoodlevel air-quality data freely available to everyone The answer was to begin measuring Working with E D and city officials L F helped establish the Kingston Air Quality Initiative and installation of a monitor on the roof of the Andy Murphy Midtown Neighborhood Center That instrument provided regional data but it also highlighted the limits of rooftop monitoring Pollution is profoundly local L F says A person exposed to smoke from a neighboring house may experience conditions entirely different from someone living several blocks away L F and E D and a woman with initials D L who is program director of the Bard College Center for Environmental Sciences and Humanities and building scientist a woman with initials J K and a woman community member with initials A T went on to establish the Hudson Valley Air Quality Coalition in Two Thousand Twenty One The coalition created a forum where residents could raise concerns about indoor and outdoor air find scientific resources and advocate for monitoring and policy changes Seeing

the Invisible The work has since expanded into the Hudson Valley Community Air Network led by the Bard College Community Sciences Lab In June Ulster County announced the installation of Seventeen new street-level sensors at libraries town halls and community centers The county described itself as the first in New York to establish a community-based network of this kind With the expansion the network included Twenty Two sensors across the Hudson Valley each providing real-time readings and alerts through the Just Air platform The sensors sit roughly six feet above the ground measuring the air at breathing level rather than on rooftops The distinction is central to the project Regional monitors can show broad pollution events such as wildfire smoke Street-level sensors can begin to reveal the effects local wood burning Their placement in public institutions is also deliberate We didn't want community data to be controlled by private people or entities D L says Libraries town halls and community centers are places where people gather learn and make decisions The data she says should remain publicly accessible

The Unexpected Culprit One of the most significant and least publicly understood sources is wood smoke That revelation is difficult for many people to accept because wood fires occupy such a comforting place in the imagination They evoke hearths campsites rural self-sufficiency and evenings gathered with friends In the Hudson Valley fire pits and woodstoves fit comfortably within the region's rustic self-image E D once shared that affection A lifelong wood-smoke aficionado the E D initial response to warnings by L F was one of disbelief Then E D examined the research I was so embarrassed as a scientist E D says People don't know to a level that is kind of ridiculous how bad the wood smoke is for us E D no longer uses a backyard fire pit In a densely settled place such as Kingston E D says a recreational fire is not an entirely private choice because neighbors cannot prevent the smoke from entering their homes Wood combustion releases fine particulate matter as well as a mixture of hazardous compounds L F argues that public understanding of wood smoke is roughly where awareness of secondhand cigarette smoke stood decades ago Burning is viewed as a matter of personal freedom she says even when the pollution crosses property lines and affects people who have no way to avoid it Bard Community Sciences Lab Manager D L installs an air quality monitor for the Poughkeepsie Regional Air Quality Station on the roof of the Adriance Memorial Library L F cites federal emissions inventories indicating that residential wood combustion can outweigh more familiar sources of particulate pollution in Ulster County A Two Thousand Twenty Five peer-reviewed study led by University at Albany male environmental engineer with initials M A B measured indoor and outdoor black carbon at homes in the Capital Region and Hudson Valley including several in Kingston and Newburgh The researchers used comparatively low-cost instruments to conduct weeklong measurements of PM Two point Five at dozens of homes between late Two Thousand Twenty One and Spring Two Thousand Twenty Three In Kingston the researchers' source analysis identified surrounding residential wood burning as an influence during a week of winter monitoring while also noting a possible industrial contribution from the north and northeast This chart breaks down the Air Quality Index (AQI) values and their health implications from Good Zero to Fifty to Hazardous Three Hundred plus As AQI increases so does the risk to human health Understanding these levels helps individuals make informed decisions Outdoor pollution enters buildings through open windows cracks and ventilation systems The background of D L is in building science During the recent wildfire-smoke event a sensor in the hallway of her building on the Bard campus registered conditions close to the outdoor reading because commercial ventilation systems continuously bring outside air inside Staff members closed their office doors and ran portable air cleaners The system was delivering fresh air in the technical sense D L says but the fresh air was polluted D L recently began carrying a portable air monitor that measures particulate matter as she moves through the day She wishes everyone could try one for Twenty Four hours D L imagines air monitor lending libraries The idea neatly captures the ambition behind the entire community network making an invisible environmental



condition perceptible local and shared Air quality can feel like another overwhelming problem in an era already crowded with environmental crises E D sees a reason for hope The unusually clear skies following the Two Thousand Twenty pandemic shutdowns offered a dramatic example of how rapidly human choices can alter atmospheric conditions We can make decisions as communities to protect our air E D says L F states the issue in a more down to earth way You take a thousand breaths an hour L F notes With small sensors attached to civic buildings which RAWSEP notes are called Just Air sensors but are often PurpleAir PM Two point Five monitors the Hudson Valley region is beginning to study something even more fundamental the invisible landscape we enter with every breath [Related Story](#) Bard College Launches Hudson Valley Air Quality Tracker with Just Air Partnership Bard College Launches Hudson Valley Air Quality Tracker with Just Air Partnership June 10 Two Thousand Twenty Five

[11A](#) Oregon and Idaho wood burning Campfires banned on Wallowa Whitman National Forest starting Thursday Wallowa County Chieftain Building maintaining attending or using a fire campfire or stove fire wood burning stove equipped with a chimney at least 5 feet in length

11B Oregon wood smoke Central Oregon Public Lands Move to Stage Two Public Use Fire Restrictions Central Oregon Fire Information wood pellet burning devices Commercially manufactured lanterns and metal camp stoves used for cooking are allowed when fueled with bottled

11C Oregon PM TWO POINT FIVE Central Oregon Pulmonologist Offers Advice About Dealing With Poor Air Quality The Source Weekly The PM TWO POINT FIVE are these tiny little particulates that are small enough to get through pores in the lung and enter the bloodstream and those can give you

11D Oregon wood smoke Multnomah County declares state of emergency opens cooling center Oregon Live The county issued a wood burning ban until conditions improve saying high heat causes smog to worsen The county has not yet announced plans for

11E Oregon PM TWO POINT FIVE Wildfire Smoke Health Warning Z One Hundred Portland iHeart Scientists are concerned about particulate matter that is Two point Five microns in size and smaller known as PM TWO POINT FIVE Thirty PM TWO POINT FIVE strung together are the

[12](#) Pennsylvania heat pump Pennsylvania homeowner eyes a heat pump for winter wonders if it is worth it Yahoo Shopping Heat pumps are significantly more energy efficient than traditional HVAC systems because they move heat rather than generate it and they can provide

[13](#) Rhode Island heat pump rebate As PUC Weighs Utility Distribution Rate Hikes Focus Turns to Heat Pump Users Are They eco RI News The proposal is aimed at boosting heat pump adoption rates which can be expensive to install

[14A](#) Washington Seattle wood smoke Jefferson County raises fire danger level to high wood burning and open flames prohibited KOMO News Jefferson County raises fire danger level to high wood burning and open flames prohibited by KOMO News Staff Wed July 22 Two Thousand Twenty Six

14B Washington wood burning Modrite Fire near Lake Roosevelt burning over Eight Thousand Eight Hundred acres so far YouTube www dot krem dot com news local wildfire modrite fire burning

14C Washington wood burning Mount Baker Snoqualmie National Forest Campfire Ban Goes into Effect July 23 USDA Forest Service Stage One Fire Restrictions go into effect on Thursday July 23 and prohibit all wood burning wood stove and charcoal briquette stoves and other open

15 Washington DC wood smoke Why America keeps choking on wildfire smoke The Washington Post Fire needs fuel and a century of aggressive suppression combined with too little thinning and prescribed burning has allowed dead wood and dense

16 Wisconsin wood burning wood smoke The Burning of wood chips determined as cause of Green Bay fire Fox Eleven News Upon arrival crews found burned wood chip extended into the wall A fire actively burned behind the exterior siding of the building Crews worked to put First responders were told there was a fire in an exterior wall with white smoke showing

17A United Kingdom heat pump Goodbye boiler! Heat pump demand soars as thousands of Brits switch to cleaner cheaper heating Octopus Energy Enquiries about Octopus installed heat pumps jump Three hundred Thirty Percent in the first half of Two Thousand Twenty Six Number of Octopus customers ditching oil and LPG nearly triples

17B United Kingdom Liverpool heat pump A quasi two stage heat pump for efficient dual temperature supply space heating and Nature Heat pumps play a critical role in delivering space heating and domestic hot water in residential buildings However managing these two demands

17C United Kingdom heat pump Why government policy on air to air heat pumps is missing a real world open goal Installer Online Martyn Bridges Director of External Affairs Worcester Bosch takes a look at what installers need to know about air to air heat pumps policy

17D United Kingdom PM TWO POINT FIVE Wildfires and health With the US and Canada blanketed by smoke what are the risks? The BMJ The EPA updated particulate matter of Two point Five micrometers diameter or smaller PM TWO POINT FIVE breakpoints put the hazardous category at Two hundred twenty five point five micrograms per cubic meter and above During

18 France wood smoke It felt like being in a disaster movie uncertainty after evacuation from the France Gironde wildfire The Guardian The acrid smell which at first seemed like burning rubber then unmistakably like wood smoke was blowing on the wind from the massive wildfire in

19 Germany wood burning In a German forest Two brothers keep the ancient tradition of charcoal burning alive Local Ten News The inside of the mound was tightly stacked with beech wood which smolders for weeks until it has been turned into charcoal a craft that has been

20 Taiwan PM TWO POINT FIVE Development of a high resolution PM TWO POINT FIVE model in Taiwan using States integrated low cost air Nature We aimed to develop a daily Two hundred fifty meter resolution fine particulate matter PM TWO POINT FIVE estimation model in Taiwan by incorporating low cost sensor data with