

Episode 56SB March 20, 2024. What gas powered cars and wood burning stoves have in common, PM2.5

Biden Administration Announces Rules Aimed at Expanding Electric Vehicles. The regulations would require automakers to sell more electric vehicles and hybrids by gradually tightening limits on tailpipe pollution. E.P.A. Administrator Michael S. Regan unveiled the new rules in Washington on Wednesday. Credit...Pete Kiehart for The New York Times. <https://www.nytimes.com/2024/03/20/climate/biden-phase-out-gas-cars.html> March 20, 2024. Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates, a 501c3 nonprofit organization. The Biden administration on Wednesday issued one of the most significant climate regulations in the nation's history, a rule designed to ensure that the majority of new passenger cars and light trucks sold in the United States are all-electric or hybrids by 2032. Nearly three years in the making, the new tailpipe pollution limits from the Environmental Protection Agency would transform the American automobile market. A record 1.2 million electric vehicles rolled off dealers' lots last year, but they made up just 7.6 percent of total U.S. car sales, far from the 56 percent target under the new regulation. An additional 16 percent of new cars sold would be hybrids. Cars and other forms of transportation are, together, the largest single source of carbon emissions generated by the United States, pollution that is driving climate change and that helped to make 2023 the [hottest year in recorded history](#). Electric vehicles are central to President Biden's strategy to confront global warming, which calls for [cutting the nation's emissions in half by the end of this decade](#). But E.V.s have also become politicized and are a flashpoint in the 2024 presidential campaign. "Three years ago, I set an ambitious target: that half of all new cars and trucks sold in 2030 would be zero-emission," said Mr. Biden in a statement. [Where Electric Vehicles Are \(and Aren't\) Taking Off Across the U.S. New data show where E.V.s are booming and reveal some surprising places where they're getting a foothold.](#) The auto emissions rule is the most impactful of four major climate regulations from the Biden administration, including restrictions on emissions from [power plants](#), trucks and [methane leaks from oil and gas wells](#). The rules come on top of the [2022 Inflation Reduction Act](#), the biggest climate law in the nation's history, which is providing at least \$370 billion in federal incentives to support clean energy, including tax credits to buyers of electric vehicles. In writing the final tailpipe regulation, the [administration relaxed some elements in a concession](#) to car manufacturers and their biggest union, the United Auto Workers. A lack of public charging stations for electric vehicles remains a problem. While more than 172,000 were installed last year, [analysts project](#) that the nation will need more than two million chargers by 2030 to support the growth in electric vehicles envisioned by the E.P.A. regulation. growth in sales of electric vehicles [is slowing](#), even as the new regulations would require a nearly tenfold increase in such sales within just eight years. Buyers of new electric vehicles are eligible for up to \$7,500 in federal tax credits, but only 18 models are currently eligible for that full credit, down from about two dozen last year. World Health Organization Air Standards. Alphabetical by article title. India. [Air in NCR cities worse compared to 2022, shows global air quality report - Hindustan Times](#) The report, released annually by the Swiss firm IQAir, showed that Delhi, with an average PM 2.5 concentration of 102.1µg/m<sup>3</sup>, was the third most. India. [Delhi tops list of world's most polluted capital cities in 2023 - The Indian Express](#) According to the World Air Quality Report, Delhi was the third most polluted city in India, in terms of PM (Particulate Matter) 2.5 levels, India. [Eighty Three Of 100 Most Polluted Cities Are In India, But Lack Of Monitoring Influences](#) Health Policy Watch. Delhi is back to being the most polluted capital of the world, the fifth time in the last six years. Its PM 2.5 level has averaged over 102 micrograms. [India was 3rd most polluted country in 2023, Delhi most polluted capital: Report](#) Hindustan Times. PM 2.5 average of 5µg/m<sup>3</sup> or less. Greenpeace International senior air quality scientist Aidan Farrow said the report illustrates the international. [India was third-most polluted country globally in 2023, right behind top-ranking Bangladesh](#) Down To Earth. In 2023, India stood as the third most polluted nation globally, recording an average population-weighted fine particulate matter (PM2.5) [New Study: Short-Term Exposure to Air Pollution Is Killing Over a Million People Each Year](#) SciTechDaily. particulate matter (PM2.5) found in air pollution, according to a recent study. Eastern Asia accounts for more than half of these global. India. [One thing most countries have in common: Unsafe Air - Deccan Herald](#) Farmers seasonally burning their crop waste contribute to the problem, as do households burning wood and dung for heat and cooking. China Reversed. [Only seven countries met WHO air standards in 2023, report says | The Peninsula Qatar](#) Its threshold for PM 2.5 pollution is still higher than the guidelines set by the World Health Organization. According to IQAir report, Bangladesh, [Only seven countries in the world can boast of clean air](#) Turkmenportal. The researchers analyzed data on PM 2.5 (particulate matter 2.5 microns in size) concentrations in 7,812 locations in 134 countries. PM 2.5 levels. [Only these seven countries meet WHO air quality standard: Reports - World News - WION](#) PM2.5 is the fine particulate matter emitted by vehicles,

industries, and other sources. PM 2.5 particles. [Only seven countries met WHO air standards in 2023, report says - Washington Post](#) Few countries met World Health Organization standards for PM 2.5 pollution, the most dangerous kind for human health. The United States was not. [Only 10 Countries Had Healthy Air Quality in 2023, Report Finds - Bloomberg.com](#) PM stands for particulate matter, and 2.5 represents its size — 2.5 μm. PM 2.5 pollution is linked to increased rates of heart attack and stroke, and. [Only 10 countries had healthy air quality in 2023, report finds - ET EnergyWorld](#) Capitals with the highest and lowest average levels of PM 2.5 pollution, 2023. New Delhi, India. 92.7 [Only 10 countries had healthy air quality in 2023: report - Frontline - The Hindu](#) Frontline. PM stands for particulate matter, and 2.5 represents its size—2.5 microns, or 1/30th the diameter of a single strand of hair. And it is PM2.5 [Switzerland fails to meet WHO air quality standards - SWI swissinfo.ch](#) According to the report, 1.36 billion people in India are exposed to PM 2.5 values that exceed the levels recommended by the WHO, and 1.33 billion. [World's Top 10 Most Polluted Countries In 2023 Revealed: 3 Asian Countries Lead The List](#) Benzinga. PM 2.5 Pollution, 2023. Source: IQAir. Note: Measured in micrograms. PM is an abbreviation for particulate matter, with 2.5 denoting its size at 2.5 μm. United States. [The latest Air Quality News magazine is out now! - AirQualityNews](#) The initiative aimed to highlight the dangers of domestic wood burning and how can impact on the local environment. Smoke Control Areas as the main. Arizona. [Air quality remains a big challenge for the county | City News - Scottsdale Progress](#) Burning in fireplaces, chimneys and wood-burning stoves in a Smoke dispersion modeling shows where the smoke may go, how it may be produced. California. [CCorning food truck, street vendors ordinances move forward - appeal-democrat.com](#) No portable cooking equipment, gas fueled appliance, wood burning ovens or other open flame unless approved and permitted by the city's fire chief. Colorado. [Planned burn expected to produce heavy smoke Wednesday - Herald-Review.com](#) Seasoned wood burns more effectively and reduces harmful byproducts. Skip the fire if your wood is damp. Burning wet wood produces smoke and creosote. [Prescribed fires planned for Rio Blanco and other Western Slope counties](#) The Herald Times. Prescribed fire smoke may affect your health. For more information, visit: <https://www.colorado.gov/pacific/cdphe/wood-smoke-and-health>. everyone start . Florida, Brevard County. [Family opens up about Cocoa man's electrocution last summer - YouTube](#) at his home, the family of Robert Lee said the 42-year-old was working on a woodburning art that uses high-voltages called fractal burning. 'Keep his memory alive!' [Family opens up about Cocoa man's electrocution last year](#) ClickOrlando.com Eight months after a man was electrocuted at his home, the family of Robert Lee said the 42-year-old man was working on a wood-burning art that. Illinois. [Losch Family Farm loses barn - Alton Telegraph](#) Wood River, South Roxana and Rosewood Heights. Smoke was visible when firefighters left the station, which is several miles away. Fire was. Louisiana, Shreveport. [Firefighters rescue man from burning home; 3 residents treated for smoke inhalation - KSLA](#) Frank's Pizza. Massachusetts, Essex County. [Camping ordinance introduced as SPD breaks down wood stove in Salem Woods](#) Salem News. "At one of the encampments, somebody had installed a rather elaborate wood-burning stove that was inside a tent, and it was actually ducted outside. **The city is proposing an ordinance prohibiting camping on public property.** SALEM — A new strategy addressing camping on public property is the first of a handful of tools to address homelessness in Salem, with a temporary shelter expected to open in Salem in the coming months. Michigan, Monroe. [Firefighters extinguish garage fire in Monroe caused by illegal open burn](#) Monroe Evening News. Residents should also be considerate of their neighbors and avoid burning materials, such as wet wood, that can create smoke. Outdoor fireplaces. Texas. [AFD responds to three fires Sunday, urge caution in current conditions - Austin Daily Herald](#) wood-burning stove. The shed was a complete loss including the contents, which included firewood, a fire pit, bikes and a weedeater. Wyoming. [Take precautions when burning | Local News | thesheridanpress.com](#) A pile of wood burns atop snow in Sheridan County. The Sheridan County Commissioners and County Fire Chiefs ask the public to be very cautious with. Canada. [Wildfires drop Canada's air quality below US for first time ever, says report - Delta Optimist](#) PM2.5, which gets its name from the particles less than 2.5 micrometres in diameter that get vaulted into the air from wildfires, wood-burning stoves. [Wildfires drop Canada's air quality below US for first time ever, says report - Squamish Chief](#) wood-burning stoves, and the combustion of fossil fuels. B.C. city had fourth most polluted air in North America. As the 2023 fire season. [Canada had North America's worst air quality in 2023 because of wildfires, report says](#) FOX Weather. PM 2.5 pollutants are fine particulate aerosol particles linked to engine exhaust, industrial processes, power generation, coal and wood burning. IQAir used annual PM 2.5 particulate matter guidelines adopted by the World Health Organization as the standard for its results. PM 2.5 pollutants. [Report: Canada's wildfires push Chicago to second most polluted major city in the U.S.](#) Daily Herald. 2.5 micrometers and smaller. Scientists refer to these particles as PM 2.5. The report said Chicago's increased air pollution can largely be. United Kingdom, London.

[Mums ban outdoor fun as air pollution worsens in Vietnam capital - Reuters](#) Vietnam capital among world's worst for air quality: report · Last year PM 2.5 levels on average exceeded limits by nine times · WHO urges Vietnam to. United Kingdom, London. ['Our wood burner triggers a neighbour's asthma – can we still use it?' - The Telegraph](#) 'Our neighbour complains our wood burner is triggering their asthma – do we have to stop?' Ask A Lawyer: our reader's new neighbour is demanding he (stop). burning wood and other solid fuel. So, your neighbour may be justified in his concerns about his wife's health. But the question is can he prove. Nigeria. [Nigerian bakeries need support to shift to clean energy, researchers say - Phys.org](#) wood retailers and wholesalers. Bakeries in Nigeria most commonly use African Birch wood, mainly due to its burning quality and easy availability. PM2.5 estimates too low for wood burning. [Uncovering the dominant contribution of intermediate volatility compounds to biomass - Phys.org](#) Biomass burning, including wildfires and Wood burning releases high amounts of secondary organic aerosols - current emission estimates too low. PM2.5 and ASD like phenotype. [Early-life exposure to PM2.5 leads to ASD-like phenotype in male offspring rats through](#) ScienceDirect.com PM2.5 exposure caused neuroinflammation and reduced anti-inflammatory melatonin levels in offspring rat brains. PI3K-AKT pathway activation may.

