

Episode 56VF, June 25, 2024, Wood burning should not put people at ease, if they are sentient human beings.

In Episode 56VF, 1)World. Rise in wood burner use offsets pollution drop from cars and electricity. 2)United States. RAWSEP View: The debunked theory of Carbon Neutrality of Wood Burning is described once again by a scientist who calls herself a climate scientist, Dr. Katherine Hayhoe. This scientist, Dr. Katherine Hayhoe, is a Republican who wrote a chapter in 1990s Republican Leader Newt Gingrich's book about Climate Change. This scientist also does outreach to religious communities about climate change. This scientist responds to a commenter (on what Hayhoe describes as) the misconception that burning wood pollutes. From the article: When it comes to lighting a fire in Dr. Katharine Hayhoe, a renowned climate scientist, the claim by a dismissive social media commenter that burning gas is cleaner than burning wood is the perfect kindling. 3A)RAWSEP View: Why are wood heaters even used, knowing what we know about their high PM2.5 and CO2 pollution levels, compared to even fossil fuel pollution levels? Burnwise, the mouthpiece of the wood burning industry, which has demonstrated its distain for considering the health effects of air pollution as a problem, is still cited at the bottom of this announcement. This "institutionalization" of wood burning when there is a plethora of alternatives in modern America for home heating and home cooking, is the result of lobbying by the wood stove vendors unconcerned with making literally dirty (air) money off the lives and health of Americans led by the wood burning organizations behind Burnwise, for instance. If a comparison of emissions is done of wood burning compared to fossil fuel burning, to start with, the unnecessary, high pollution from wood burning is already clear, whether it is from a fireplace or a touted "clean" wood burning appliance like the United Kingdom's EcoDesign stove, which may be similar to United States stoves, or United States stoves touted as the cleanest may be worse polluters than even the United Kingdom's EcoDesign stove. Just don't burn wood to begin with. We are a modern nation with economic, clean alternatives to choose from for home heating and home cooking, available and easy to use for anyone on the electric grid. In 2024 the electric grid extends to all rural areas and has for at least the last 75 years, since the end of World War Two. 3B)United States. Forest wood markets. US National Interagency Fire Center Wildfire Update for June 24, 2024. 4)United States. Great Lakes Region (Midwest). EPA Recommends that People in the Great Lakes Region Prepare Now to Avoid Potential. Environmental Protection Agency. Wildfire smoke is a mix of gases and fine particulate matter that are released from burning wood and other organic materials. 5)Alaska, Fairbanks. Wildfires generate 'unhealthful' smoke around Interior, statewide. 6)California, San Francisco. Early morning fire causes businesses smoke damage in Concord. 7)Colorado, Alamosa. Wildlife Refuge Prescribed Burns Planned. 8)New York. RAWSEP View: Wood burning should not put people at ease, if they are sentient human beings, whose senses notice the acrid smoke affecting their breathing adversely, and the ash up their nostrils, the ash in their eyes and the ashy non-food feel in their mouths. Wood burning does not improve the flavor of pizza, but wood burning pizza does mask any normally recognizable cooking mishaps, perhaps dropping a pizza pie on a dirty floor, for instance, with a veneer of dirt and grime already there and expected from wood ashes. The fashion for wood burned pizzas is new. This article implies that the wood burned pizza trend has accelerated since the year 2000. The pollution from wood burning should be well known to New York Times writers in New York City where a new law has passed limiting the wood burning emissions allowed from wood burning pizza restaurants, effectively closing many wood burning pizza restaurants to protect the health of near neighbors who have

complained of the wood burning pollution. The downside of PM2.5 pollution from wood burning emissions, which include many unnecessary illnesses and early deaths and unnecessary contribution to climate change, is not mentioned in this article. 9)Utah. How global emissions and horrific weather events connect. 10)Utah, Park City. Large fire continues to burn at Park City recycling plant. 11)Washington, Seattle. 5 controversial camping topics guaranteed to start an argument. RAWSEP View: The author founded a site about chainsaws and wood stoves. RAWSEP View: Wood smoke makes solar panels work at 50% efficiency. But if you are camping without thinking about the effects that you are having on the environment and the effect you are having on other people's health, it is just interesting that an argument has started. The health argument against wood burning is ignored by the author of this article, and not mentioned in this article for airheads. If you know it will start an argument about the health effects of wood burning, why not skip the wood burning? But this is written by a person who makes a living pushing wood stoves, by pushing arguments or just simply by burning wood as his way of making a living, although he lives in the modern world where clean alternatives are available, and where thankfully campfires are increasingly banned, because of the risk of starting wildfires, as well as because of the adverse health effects of wood smoke. 12)Washington, Walla Walla. US Army Corps of Engineers places ban on wood fires in multiple Walla Walla County parks. 13)Canada, Newfoundland and Labrador, Churchill Falls. Evacuee returns to 'eerie' Churchill Falls as an essential worker keeping town running. CBC Susan Chislett says things seem normal, apart from the odor of burning wood. There was a lot of smoke. Lot of smoldering ground fires still". 14)United Kingdom, Barnet. 420 children under five admitted to Royal Free with breathing difficulties. Barnet Post. particulate matter (PM 2.5). Due to the small size of many of the Exposure to PM 2.5 can result in serious impacts to health, especially in. 15)United Kingdom, Havering. Record number of children under 5 admitted to Queen's Hospital with breathing difficulties. The Havering Daily. particulate matter (PM 2.5). Due to the small size of many of the PM 2.5 can result in serious impacts to health, especially in vulnerable. 16)Ukraine. Kryvyi Rih covered with dense smoke due to an accident at ArcelorMittal. EcoPolitic. ecopolitic.com.ua PM 2.5 and PM 10 dust, ozone was recorded. As of 11:30 a.m., the concentrations of all pollutants have already returned to within the regulatory. 17)India. Mumbai: BMC Launches Eco-Friendly Wood Combustion System For Cremation Sites. Free Press Journal. This initiative aims to significantly reduce air pollution and environmental degradation typically associated with traditional wood-burning cremations. 18)Indonesia. Jakarta's Air Quality Today Is Bad, Residents Are Asked To Wear Masks - VOI.ID. PM 2.5 is a 2.5 smaller particle (micrometer) found in the air including dust, smoke and jelaga. 19)Pakistan. Fatal air - Newspaper - DAWN.COM burning coal, wood or dung in indoor cooking, a practice also prevalent in Pakistan's poor and rural households. 20)South Korea. Since 2022, Hanwha Group has been working with the Environment Foundation and the mk.co.kr (PM 10) and ultrafine dust (PM 2.5 or less) decreased by 66% compared to the outside. 21)PM2.5 and asthma. How Climate Change Is Punishing Asthma Sufferers. 22)PM2.5 and health of populations. 23)PM2.5 and health problems. 24)PM2.5 and mortality. Main Content. 1)World. Rise in wood burner use offsets pollution drop from cars and electricity. MSN. Increases in wood burners in homes and the use of biomass in industry have offset drops in pollution from cars and electricity generation, 2)United States. RAWSEP View: The debunked theory of Carbon Neutrality of Wood Burning is described once again by a scientist who calls herself a climate scientist, Dr. Katherine Hayhoe. This scientist, Dr. Katherine Hayhoe, is a Republican who wrote a chapter in 1990s Republican Leader Newt Gingrich's book about Climate Change. This scientist also does outreach to

religious communities about climate change. This scientist responds to a commenter (on what Hayhoe describes as) the misconception that burning wood pollutes. From the article: When it comes to lighting a fire in Dr. Katharine Hayhoe, a renowned climate scientist, the claim by a dismissive social media commenter that burning gas is cleaner than burning wood is the perfect kindling. The Cool Down. Renowned climate scientist Katharine Hayhoe expertly shut down a dismissive argument about the environmental impact of burning gas and wood. Climate scientist responds to a commenter on the misconception that burning wood pollutes and that burning wood pollutes more than burning fossil fuels: 'It's very clear' first appeared on The Cool Down entitled Rise in wood burner use offsets pollution drop from cars and electricity, which Dr. Hayhoe apparently disputes, RAWSEP View: Dr. Katherine Hayhoe is leaning on the scientifically debunked theory of Carbon Neutrality of Wood Burning. Carbon Neutrality of Wood Burning is used as an excuse by all countries of the world to not count PM2.5 and CO2 emissions from wood burning power plants in their calculation of meeting each country's Climate Goals. This false accounting, ignoring wood burning emissions, results in bringing us closer to Climate Change, not farther away, when coal burning power plants are replaced by more polluting wood burning power plants. Testing of the cleanest burning indoor residential wood burning stove in the United Kingdom, the EcoDesign Stove, shows that Wood burning emits 2.8 times the CO2 and PM2.5 as the fossil fuel coal burning, and wood burning emits 450 times the PM2.5 as the fossil fuel natural gas burning. 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. The statistic that Dr. Hayhoe cites that there are many more deaths from fossil fuel burning may or may not be true, but if there is more fossil fuel burning than wood burning it may be true. The best thing an individual can do if they are burning wood is to stop burning wood and stop burning any solid fuel and replace home heating with wood with home heating with a Heat Pump. Rebates for Heat Pumps for up to \$8,000 are available in 2024 in the United States based on a sliding income scale. The next cleanest bridge to a Heat Pump is a Natural Gas Furnace. These are actions a person of any income can take in the United States, since all rural areas are connected to an electric grid since the end of the Second World War, over 75 years ago. You can compare the two energy sources, wood burning and fossil fuel burning, as mentioned earlier by RAWSEP. Just because fossil fuel was once, very long ago, plant material that through photosynthesis absorbed CO2 and emitted oxygen, and because wood now is plant material that through photosynthesis absorbs CO2 and emits oxygen when alive, doesn't mean that the emissions from fossil fuel and the emissions from wood burning can't be compared. The statement by Dr. Hayhoe is absurd but may deter some naïve people in awe of her scientific background to throw out their own common sense and just believe her, for some reason, perhaps to do with her standing in the Republican or religious communities. Fossil fuels were trapped in the earth millions of years ago, and trees are not trapped under the earth today. That has no bearing on how much pollution they emit when burned. One modern problem with wood burning is that instead of embracing the most modern home heating technology that is also the cleanest, Heat Pumps, it has become fashionable for modern people in modern economies around the world, when they have the money to buy them, buy wood stoves and end up polluting formerly relatively clean, relatively low PM2.5 emitting, formerly natural gas using communities. India is a poor country and is one of the most polluted nations in the world. So that statistic of poor countries not contributing to PM2.5 pollution through wood burning, is also wrong, or wrong in many instances. The point is not to blame, but to make those who can, which is most of us, and many of the poor with help from international aid associations,

to take action to stop burning wood, and replace it with clean alternatives like Heat Pumps on an individual scale. MSN **Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates, a 501c3 nonprofit organization.** When it comes to lighting a fire in Dr. Katharine Hayhoe, a renowned climate scientist, the claim by a dismissive social media commenter that burning gas is cleaner than burning wood is the perfect kindling. Dr. Hayhoe responded "It's true that burning wood indoors is responsible for several million premature deaths every year, but burning fossil fuels outdoors is responsible for twice as many, if not three times as many, premature deaths every year." She continues to explain that burning wood releases carbon that the trees took out of the atmosphere a very short time ago, while burning dirty energy sources like coal, gas, and oil, what we refer to as fossil fuels, produces the carbon that was trapped below the Earth's crust millions of years ago. "You cannot compare those two energy sources," Dr. Hayhoe states. Lastly, to Dr. Hayhoe's final point, rich countries, including the United States, generate 10 times the climate impact of poorer ones, according to the UN Environment Program. Despite this fact, poorer countries often take the brunt of the effects of a warming planet despite and often (don't have) the economic means to advance to the modern options the U.S. does, such as developing more solar and wind power. 3A)RAWSEP View: Why are wood heaters even used, knowing what we know about their high PM2.5 and CO2 pollution levels, compared to even fossil fuel pollution levels? Burnwise, the mouthpiece of the wood burning industry, which has demonstrated its disdain for considering the health effects of air pollution as a problem, is still cited at the bottom of this announcement. This "institutionalization" of wood burning when there is a plethora of alternatives in modern America for home heating and home cooking, is the result of lobbying by the wood stove vendors unconcerned with making literally dirty (air) money off the lives and health of Americans led by the wood burning organizations behind Burnwise, for instance. If a comparison of emissions is done of wood burning compared to fossil fuel burning, to start with, the unnecessary, high pollution from wood burning is already clear, whether it is from a fireplace or a touted "clean" wood burning appliance like the United Kingdom's EcoDesign stove, which may be similar to United States stoves, or United States stoves touted as the cleanest may be worse polluters than even the United Kingdom's EcoDesign stove. Just don't burn wood to begin with. We are a modern nation with economic, clean alternatives to choose from for home heating and home cooking, available and easy to use for anyone on the electric grid. In 2024 the electric grid extends to all rural areas and has for at least the last 75 years, since the end of World War Two. From the Article: EPA awards over \$8.8 million to reduce air pollution from wood heaters. Environmental Protection Agency. Cleaner-burning wood stoves will reduce harmful emissions, benefiting public health and the environment, particularly in vulnerable, and rural (populations). United States. EPA awards over \$8.8 million to reduce air pollution from wood heaters. Environmental Protection Agency. heater emissions and improve air quality for areas across the country. Cleaner-burning wood stoves will reduce harmful emissions, benefiting. **Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates, a 501c3 nonprofit organization.** This funding will support emissions testing and other activities aimed at reducing air pollution from wood heaters. EPA is committed to addressing air pollution and protecting public health through science-based initiatives and collaboration with local, state, and Tribal partners. EPA awards over \$8.8 million to reduce air pollution from wood heaters

<https://www.epa.gov/newsreleases/epa-awards-over-88-million-reduce-air-pollution-wood-heaters>

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

Emission Particulates, a 501c3 nonprofit organization. Inflation Reduction Act to fund nationwide wood heater testing effort. June 25, 2024, Contact Information, Mikayla Rumph (rumph.mikayla@epa.gov) (617) 918-1016, EPA Region 1 Press Office (R1_Press@epa.gov) BOSTON (June 25, 2024) Today, the U.S. Environmental Protection Agency (EPA) is announcing the award of an \$8,804,000 grant under the Inflation Reduction Act (IRA) to the Northeast States for Coordinated Air Use Management (NESCAUM) and its nationwide network of partner air agencies. This funding will support emissions testing and other activities aimed at reducing air pollution from wood heaters. EPA is committed to addressing air pollution and protecting public health through science-based initiatives and collaboration with local, state, and Tribal partners. "Addressing air pollution is a top priority for EPA – science-based initiatives and strong collaboration with our local, state, and Tribal partners makes that possible. We know that wood stoves and heaters can be a good option for people, but inefficient ones can lead to bad indoor and outdoor pollution," said EPA New England Regional Administrator David W. Cash. "This grant, funded by the Inflation Reduction Act, will inform the selection of replacement devices eligible for funding for woodstove change-out programs, helping control air pollution and protecting our communities. Congratulations to NESCAUM – Keep up the good work!" NESCAUM will conduct emissions testing on wood stoves to gather data that is independent of existing certification tests. The collected data will assist in the development of a ranked appliance performance list based on collected project emissions data. By providing reliable data on wood heater emissions, this project aims to improve air quality in affected communities, making it easier to purchase wood heating devices with the lowest emissions of air pollution and meet national air quality standards. "Wood is an important resource for home heating in New England, but smoke from wood heaters can have serious health impacts in local communities, including increased risk of premature death," said NESCAUM Executive Director Paul Miller. "This grant will provide a stronger basis for the public and states in making decisions on home heating options that are more efficient and cleaner, a win for consumers and public health." The data will help EPA determine Clean Air Act emissions limits in a future wood heater standard, which could lower wood heater emissions and improve air quality for areas across the country. Cleaner-burning wood stoves will reduce harmful emissions, benefiting public health and the environment, particularly in vulnerable and rural communities. During the winter, many New Englanders seek to avoid high heating costs by turning to wood as a fuel. Unfortunately, many wood heaters are inefficient and emit more pollutants into the air than heating with oil, natural gas or electricity. In 2020, approximately 11 million U.S. homes used woodstoves as a heat source. However, wood smoke can contain harmful gases that can cause health problems such as eye irritation, runny nose, bronchitis, and even worsening chronic heart and lung diseases. These fine particles can be particularly harmful to children, older adults, and people with heart or lung conditions. Residential wood heating significantly contributes to air pollution, especially in rural areas and disadvantaged communities already overburdened by legacy emissions and other environmental issues. The smoke from wood stoves is a major factor in some rural areas of the country failing to meet federal air quality standards for particulate matter (PM2.5), which poses serious public health risks. Background, Section 60105(d) of the Inflation Reduction Act provides funding "for testing and other agency activities to address emissions from wood heaters." NESCAUM, a longtime leader in addressing wood heater emissions, provided public comment during EPA's public outreach on the Inflation Reduction Act. The organization submitted a plan to collaborate with state, local and Tribal air agencies in testing emissions from residential wood heating devices. NESCAUM has a history of forming

coalitions and partnerships with states, local agencies, and Tribal nations around the country. More information: Air Grants and Funding, Burnwise Indoor Air Quality and Wood Burning. 3B)United States. Forest wood markets. US National Interagency Fire Center Wildfire Update for June 24, 2024. Forest Economic Advisors, LLC. Forest Economic Advisors. burned. The above-average number of acres is partially due to the wildfires in Texas in late February. FEA compiles the Wood Markets News from.

4)United States. Great Lakes Region (Midwest). EPA Recommends that People in the Great Lakes Region Prepare Now to Avoid Potential. Environmental Protection Agency. Wildfire smoke is a mix of gases and fine particulate matter that are released from burning wood and other organic materials. Fine particulate.

5)Alaska, Fairbanks. Wildfires generate 'unhealthful' smoke around Interior, statewide. KUAC FM. DEC says the smoke contains high levels of PM2.5 particulates. 6)California, San Francisco. Early morning fire causes businesses smoke damage in Concord. KRON4. All that remains is wood and foam from the fire department's containment. According to the store, the shed contained cages. All of the reptiles.

7)Colorado, Alamosa. Wildlife Refuge Prescribed Burns Planned. Alamosa Citizen. Smoke will be visible for miles for up to a few days following burning. wood-smoke-and-health. Nevada, South Lake Tahoe. South Lake Tahoe sets aggressive defensible space guidelines with new ordinance. South Tahoe Now. material abatement program in the city limits. With several fires already burning in California, 2024 could be a big fire year, and maintaining. 8)New York. RAWSEP View: Wood burning should not put people at ease, if they are sentient human beings, whose senses notice the acrid smoke affecting their breathing adversely, and the ash up their nostrils, the ash in their eyes and the ashy non-food feel in their mouths. Wood burning does not improve the flavor of pizza, but wood burning pizza does mask any normally recognizable cooking mishaps, perhaps dropping a pie on a dirty floor, for instance, with a veneer of dirt and grime already there from wood ashes. The fashion for wood burned pizzas is new. This article implies that the wood burned pizza trend has accelerated since the year 2000. The pollution from wood burning should be well known to New York Times writers in New York City where a new law has passed limiting the wood burning emissions allowed from wood burning pizza restaurants, effectively closing many wood burning pizza restaurants to protect the health of near neighbors who have complained of the wood burning pollution. The downside of PM2.5 pollution from wood burning emissions, which include many unnecessary illnesses and early deaths and unnecessary contribution to climate change, is not mentioned in this article. From the article: How America Became the Capital of Great Pizza. **Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates, a 501c3 nonprofit organization.** New York Times. Since the early 2000s, the variety and quality of pizza made by ambitious chefs all over the country have only gotten better. A fire is burning inside a round pizza oven. The oven sits above a stack of wood. The pizza at Leña in Cleveland, Miss. is cooked in a wood-fire oven. Tandy Wilson was cooking in California at this time, including at Tra Vigne, a celebrated Napa Valley restaurant with a wood-burning oven that served pizza at lunch and, occasionally, dinner. Not all of the compelling, new-generation pizzerias rely on wood-fire ovens. Pizzas cooked in the wood-fire oven at the Lincoln Wine Bar, in Mount Vernon, Iowa. Pizza made in Lincoln's (Cedar Rapids, Iowa) wood-fire oven helps put people at ease, he said. 9)Utah. How global emissions and horrific weather events connect. KSL.com KSL News. Resulting smoke swamped the West, including Utah, driving up dangerous levels of harmful pollutants like PM 2.5, or fine particulate matter. 10)Utah, Park City. Large fire continues to burn at Park City recycling plant. AOL.com Evergreen Recycle faced a similarly large fire in 2022 that caused \$1 million in damage to wood products. Wichita Eagle. That fire,

which burned for a week, was found to be caused by spontaneous ignition of mulch and grass underneath wood piles. 11)Washington, Seattle. 5 controversial camping topics guaranteed to start an argument. RAWSEP View: The author founded a site about chainsaws and wood stoves. RAWSEP View: Wood smoke makes solar panels work at 50% efficiency. But if you are camping without thinking about the effects that you are having on the environment and the effect you are having on other people's health, it is just interesting that an argument has started. The health argument against wood burning is ignored by the author of this article, and not mentioned in this article for airheads. If you know it will start an argument about the health effects of wood burning, why not skip the wood burning? But this is written by a person who makes a living pushing wood stoves, by pushing arguments or just simply by burning wood as his way of making a living, although he lives in the modern world where clean alternatives are available, and where thankfully campfires are increasingly banned, because of the risk of starting wildfires, as well as because of the adverse health effects of wood smoke. The Seattle Times. Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates, a 501c3 nonprofit organization. Some hate the smoke, the potential risks and the work involved in gathering wood and keeping the fire going. Some are even equipped with small wood-burning stoves. You don't hear arguments about solar-powered fridges, small battery-powered chainsaws and LED headlamps. Is a campfire necessary? many locations have complete fire bans during the height of the camping season. Other camping spots may only have limitations and restrictions. For those who are in areas where fires are possible, are they essential to the camping experience? These days, we're not limited to the traditional campfire. Smokeless fire pits minimize smoke with a cleaner, more efficient burn. They're also safer and contain the fire better, particularly when used with a spark screen. Portable propane fire pits are even less impactful. So long as you have a designated fire safety person, we say go ahead and light the fire. Modern RVs have solar power. Some are even equipped with small wood-burning stoves. a cold beer or a glass of wine by the campfire is the perfect way to unwind and enjoy the outdoors. use a small camp stove instead of building a fire on the ground. you're pondering the necessity of a campfire. this topic stirs up lively discussions among outdoor enthusiasts. (the author) founded Fire and Saw, a site about chainsaws, and wood stoves, 12)Washington, Walla Walla. US Army Corps of Engineers places ban on wood fires in multiple Walla Walla County parks. NBCRightNow.com wood fires at three parks in the county to minimize wildfire risks. USACE says all wood fires in its fire rings, grills and metal containers at. 13)Canada, Newfoundland and Labrador, Churchill Falls. Evacuee returns to 'eerie' Churchill Falls as an essential worker keeping town running. CBC Susan Chislett says things seem normal, apart from the odor of burning wood. There was a lot of smoke. Lot of smoldering ground fires still". 14)United Kingdom, Barnet. 420 children under five admitted to Royal Free with breathing difficulties. Barnet Post. particulate matter (PM 2.5). Due to the small size of many of the Exposure to PM 2.5 can result in serious impacts to health, especially in. 15)United Kingdom, Havering. Record number of children under 5 admitted to Queen's Hospital with breathing difficulties. The Havering Daily. particulate matter (PM 2.5). Due to the small size of many of the PM 2.5 can result in serious impacts to health, especially in vulnerable. 16)Ukraine. Kryvyi Rih covered with dense smoke due to an accident at ArcelorMittal. EcoPolitic. ecopolitic.com.ua PM 2.5 and PM 10 dust, ozone was recorded. As of 11:30 a.m., the concentrations of all pollutants have already returned to within the regulatory. 17)India. Mumbai: BMC Launches Eco-Friendly Wood Combustion System For Cremation Sites. Free Press Journal. This initiative aims to significantly reduce air pollution and environmental degradation typically

associated with traditional wood-burning cremations. 18)Indonesia. Jakarta's Air Quality Today Is Bad, Residents Are Asked To Wear Masks. VOI.ID. PM 2.5 is a 2.5 smaller particle (micrometer) found in the air including dust, smoke and jelaga. This particle exposure in the long term is. 19)Pakistan. Fatal air. Newspaper. DAWN.COM burning coal, wood or dung in indoor cooking, a practice also prevalent in Pakistan's poor and rural households. While the responsibility of air. 20)South Korea. Since 2022, Hanwha Group has been working with the Environment Foundation and the mk.co.kr (PM 10) and ultrafine dust (PM 2.5 or less) decreased by 66% compared to the outside. In addition to supporting facilities, Hanwha Group also. 21)PM2.5 and asthma. How Climate Change Is Punishing Asthma Sufferers. TIME. PM 2.5 threshold. "You see this during the most extreme storms," says Dr. Jonathan Spergel, chief of the allergy program at the Children's. 22)PM2.5 and health of populations. Health consequences of air pollution on populations. World Health Organization (WHO) Particulate matter (PM) is particles in the air, including dust, dirt, soot Specifically, particles less than 2.5 micrometers in diameter (PM2.5). 23)PM2.5 and health problems. Climate Change Worsens Air Pollution–Linked Health Problems. Medscape. Numerous studies have documented that exposure to polluted air is the main risk factor for the development of respiratory and cardiovascular (diseases). 24)PM2.5 and mortality. Health impacts of lifestyle and ambient air pollution patterns on all-cause mortality. BMC Public Health. BioMed Central. Air pollution, including particle matter with a diameter $\leq 2.5 \mu\text{m}$ (PM2.5).