

Episode 56TL April 29, 2024. If next to indoor residential wood burning, solar panel efficiency can be cut by half.

In Episode 56TL 1)Wisconsin. 4/22/2024 Wisconsin Governor announces Federal grants for solar energy for low income households, available by 2025. The catch? Hyper-localization next to indoor residential wood burning can cut down solar panel efficiency by half. 2)United States.RAWSEP View: the American Lung Association's annual State of the Air, air pollution rankings across America. Best and worst air in the US: Report ranks pollution in cities, metros. 3)Arizona. RAWSEP View: The new air pollution standard is 9 micrograms per cubic meter PM2.5 in a 24 hour period. Arizona GOP leaders, Chamber sue EPA over new air pollution standard. 4)California, El Dorado Hills. Fireplace sparks house fire. [villagelife.com](http://villagelife.com) 7)California, Oceanside Beach. Alphabetical by article title. Wooden pier fire. Crews battle fire threatening longest wooden pier on US west coast. 8)California, Seal Beach.Wooden pier fire. Seal Beach pier fire strangely similar to Oceanside pier blaze. 9)New Jersey, Wayne. Modern Tech helps Wayne's Volunteer Firefighters Find a Fire 'Hidden' in the Walls of A. 10)Oregon, Eugene. Eugene-Springfield takes fourth worst spot in national air pollution ranking. 11)Pennsylvania, Delaware County. RAWSEP View: Pollutants, among them wood fire smoke became trapped. Experts Figure Out Why There Was a Strange Odor in Delaware County Last Week. 12)Canada, Alberta. What you need to know to stay up-to-date on Alberta wildfires. 13)Canada, British Columbia, Cowichan Valley, Richmond. Cowichan Valley Citizen. CVRD wood smoke reduction rebate program back for 2024. 4/26/2024. 14)Canada, British Columbia, Vancouver. CVRD wood smoke reduction rebate program back for 2024. 15)European Union. Smoked sausage makers considering alternatives for smoke aroma due to possible EU ban. 16)China. Investigation of a haze-to-dust and dust swing process at a coastal city in northern China part II. 17)Indonesia, Jakarta. Jakarta's Air Quality This Morning Worst Order 10th In The World, (PM 2.5) 18)PM2.5 and bioaerosol bacteria and fungi. 19)PM2.5 and cardiovascular disease. 1)Wisconsin. 4/22/2024 Wisconsin Governor announces Federal grants for solar energy for low income households, available by 2025. The catch? Hyper-localization next to indoor residential wood burning can cut down solar panel efficiency by half. This is based on the observed effect of the Canadian wildfire incursion into New York State in June 2023. A New York statewide solar panel network reported loss of 50% of efficiency across the statewide solar panel network during the wildfire incursion. <https://www.jsonline.com/story/news/politics/2024/04/24/wisconsin-receives-62-4m-solar-energy-grant-for-low-income-households/73426709007/> Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates, a 501c3 nonprofit organization. Here's what to know about the grant. What is the source of the grant funding? President Joe Biden on Monday announced that the Environmental Protection Agency would distribute \$7 billion in grants through its "Solar for All" grant competition, a component of the federal Inflation Reduction Act's \$27 billion "Greenhouse Gas Reduction Fund." Wisconsin is among 60 states, territories, Tribal governments, municipalities and nonprofits to receive the federal grant money. According to the White House, the program will bring solar power to more than 900,000 households in low-income and disadvantaged communities. How did Wisconsin secure its grant? In its application for the grant, the [Wisconsin Economic Development Corporation](http://WisconsinEconomicDevelopmentCorporation.com) said the solar installation would help prevent nearly 2 million tons of carbon dioxide emissions from harming the state's environment annually. 2)United States.RAWSEP View: the American Lung Association's annual State of the Air, air pollution rankings across America. [Best and worst air in the US: Report ranks pollution in cities, metros - USA Today](http://BestandworstairintheUS.com) The below rankings focus on fine particulate matter, or PM 2.5, which created when things are burned. It can cause asthma attacks, strokes. [US Air Quality Worsens Affecting Millions Amid Climate Challenges - OneGreenPlanet](http://USAirQualityWorsensAffectingMillionsAmidClimateChallenges.com) The American Lung Association's (ALA's) annual State of the Air report highlights the growing presence of particulate matter (PM 2.5), which are known to. 3)Arizona. RAWSEP View: The new air pollution standard is 9 micrograms per cubic meter PM2.5 in a 24 hour period. Wood burning emits 90% PM2.5, particulates of 2.5 micrometer size, the perfect size to infiltrate the human lung, setting off a cascade of human health problems and early deaths. Wood burning emits 2.8 times the CO2 and PM2.5 as the fossil fuel coal burning. Wood burning emits 450 times the PM2.5 as the fossil fuel natural gas burning. [Arizona GOP leaders, Chamber sue EPA over new air pollution standard - MSN](http://ArizonaGOPleaders.com) PM 2.5 are "arbitrary, capricious, an abuse of discretion." PM 2.5 are some of the finest air pollutants, just 2.5 microns in size, small enough. 4)California, El Dorado Hills. [Fireplace sparks house fire | Local News | villagelife.com](http://FireplaceSparksHouseFire.com) "Residents are reminded to be extra careful with wood-burning fireplaces and have them cleaned and inspected regularly." Other tips shared by EDH Fire Chief. Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates, a 501c3 nonprofit organization. A fireplace-ignited blaze severely damaged an Appaloosa Court home in El Dorado Hills (EDH) Thursday night 4/25/2024. At 9:15 p.m. El Dorado Hills, Cameron Park and Rescue firefighters responded to the house fire and arrived on scene to

find heavy fire through the roof of a two-story residential structure, according to the EDH Fire Deputy Chief. “Firefighters aggressively attacked the fire and were able to contain it to the attic space of the home. The home suffered extensive fire, smoke and water damage.” 5)California. ALA State of the Air. [These 6 California metro areas are among most polluted in U.S., American Lung Association says](#) Yahoo News Canada. Air quality readings for particulate matter (PM 2.5), the pollutant most closely associated with smoke, was in the “unhealthy” range. 6)California, El Dorado Hills. RAWSEP View: A wood burning fireplace started the fire. [El Dorado Hills Home Badly Damaged In Thursday Night Fire - Folsom Times](#) wood-burning fireplace in the home. According to the report, the home suffered extensive fire, smoke, and water damage that is being estimated at. According to the El Dorado Hills Fire Department, the investigation revealed that the fire originated from the wood-burning fireplace in the home. 7)California, Oceanside Beach. Alphabetical by article title. Wooden pier fire. [Crews battle fire threatening longest wooden pier on US west coast - The Guardian](#) Over 100 firefighters, 30 lifeguards and 32 police officers called to help as flames tore through restaurant at end of California pier. California, Oceanside Beach. [Firefighters still working on destructive fire at historic Oceanside pier - Orange County Register](#) A helicopter drops water as fire crews fight a fire burning wooden pier in Oceanside, Calif., Thursday, April 25, 2024. California, Oceanside Beach. [Water contact closure due to Oceanside Pier fire in effect this weekend - NBC 7 San Diego](#) NBC 7 San Diego. Fire officials strongly urged beachgoers to leave the burnt pieces of the pier where they are. “Wood, when it gets burned, has charring just like. 8)California, Seal Beach. Wooden pier fire. [Seal Beach pier fire strangely similar to Oceanside pier blaze - CBS 8](#) “They'll look at how deep the burn went into the wood, and how much good wood is remaining. If the tops of the piles are too badly damaged, then. 9)New Jersey, Wayne. [Modern Tech helps Wayne's Volunteer Firefighters Find a Fire 'Hidden' in the Walls of A](#) TAPinto. Smoke was coming from somewhere and the smell of fire had residents. “[The fire] was hidden in a wall behind a wood burning stove,” explained Payne. “So, it was quite difficult to locate at first. But once we located it. 10)Oregon, Eugene. [Eugene-Springfield takes fourth worst spot in national air pollution ranking - KLCC](#) Fine particulate matter air pollution, or soot, comes from wildfires, wood-burning stoves. smoke across the southern Willamette. Eugene-Springfield is listed as the. 11)Pennsylvania, Delaware County. RAWSEP View: Pollutants, among them wood fire smoke became trapped. [Experts Figure Out Why There Was a Strange Odor in Delaware County Last Week](#) DELCO.Today. Pollutants from vehicles, wood burning and industry become trapped, triggering the odors and creating poor air quality. Officials had a tough time. 12)Canada, Alberta. [What you need to know to stay up-to-date on Alberta wildfires - Yahoo News UK](#) The company receives money funded by energy bill payers because the electricity produced from burning wood pellets is classified as renewable. 13)Canada, British Columbia, Cowichan Valley, Richmond. [Son apprehended after elderly woman found dead in Richmond home](#) Cowichan Valley Citizen. CVRD wood smoke reduction rebate program back for 2024. 4/26/2024. 14)Canada, British Columbia, Vancouver. [Sarah Simpson column: Legacy of the 'Owl Man' lives on across Vancouver Island](#) Chemainus Valley Courier. CVRD wood smoke reduction rebate program back for 2024. 15)European Union. [Smoked sausage makers considering alternatives for smoke aroma due to possible EU ban](#) NL Times. The sausages are indirectly smoked using wood smoke. Some products of the house brands of Jumbo and Albert Heijn also contain smoke aromas. 16)China. [Investigation of a haze-to-dust and dust swing process at a coastal city in northern China part II](#) ScienceDirect.com Soluble Fe in both PM2.5 and PM10 mainly from aged dust, with more fresh dust in PM10; soluble Mn mainly from fresh dust. 17)Indonesia, Jakarta. [Jakarta's Air Quality This Morning Worst Order 10th In The World - VOI](#) PM 2.5 is an air particle that is small in size from 2.5 microns (micrometers). The category is unhealthy, namely the air quality is unhealthy for. 18)PM2.5 and bioaerosol bacteria and fungi. [Novel insights into pathogenic bacteria and fungi in bioaerosols from nursery schools to universities](#) ScienceDirect.com Moreover, microbial variations in PM2.5 samples were associated with institution type. Notably, the prevailing pathogenic microorganisms included. 19)PM2.5 and cardiovascular disease. [Mortality burden of cardiovascular disease attributable to ambient PM2.5 exposure in](#) BMC Public Health - BioMed Central. Particulate matter (PM) with a diameter of 2.5 µm or less, usually named PM2.5, is one of the air pollutants more harmful to human health.