

Episode 54h

February 28, 2023 First Drafts of Two Resolutions to the Wisconsin Conservation Congress, due midnight March 1, 2023. Wisconsin citizens are allowed to submit two resolutions per year.

Resolution 1 TITLE (250 characters)

Wisconsin government should provide citizen-scientist residents 2.5 micrometer Particulate Matter (PM2.5) air quality monitors to end residential wood burning for heat, which emits excessive hyper-localized PM 2.5 harm to health of near neighbors.

Resolution 1 PROPOSED RESOLUTION (2000 characters)

Would you support the Conservation Congress working with the state legislature to provide citizen-scientist residents 2.5 micrometer Particulate Matter (PM2.5) air quality Purpleair monitors to end residential wood burning for heat, which emits excessive hyper-localized PM 2.5 harm to health of near neighbors? Since the PM2.5 data is available online on the PurpleAir website to the general public and government officials 24 7, weekend and overnight readings from yards of near neighbors can be downloaded by the government during normal working hours, with no need to enter residences in order to shut down residential wood burning. Residential wood burning in even Ecodesign (United Kingdom (U K) certified, comparable or less polluting than United States (U S) certified wood stoves) wood stoves produce at least 450 times the polluting Particulate Matter of 2.5 micrometer size (PM 2.5) compared to residential natural gas furnaces, as shown by resident-owned (PM 2.5) monitors of near neighbors of residential wood burners. If U S Environmental Protection Agency (E P A) limits of PM2.5 to 8 micrograms per meter cubed annually and 25 micrograms per meter cubed daily change in 2023 the PM2.5 polluting limits of residential wood stove use will be redefined. The European Union (E U) in 2022 stopped most subsidies for wood burning. In the U K 8% of residents burning wood produce more PM2.5 in London and other U K areas than traffic. In 2023 the London mayor approved regulations of new and refurbished homes in London that effectively regulate wood stoves out of residential use, beginning a movement to regulate PM2.5 from residential wood burning across the U K in 2023. 2022 wildfires dramatically demonstrated to the world the harmful effects to human health of wood smoke, and numerous research papers for many years and up to the present demonstrate harmful effects of wood smoke PM2.5 on lungs, heart, and brain, producing early death in many cases.

Resolution 1 OPTIONAL SUPPORTING DATA (1000 characters)

Residents Against Wood Smoke Emission Particulates (RAWSEPresidents) website & Facebook. Type RAWSEPresidents.wordpress.com into a search box to find website with weekly lists of URLs of research and news. RAWSEPresidents has 10 minute Youtube and Tiktok videos and 30 minute Spotify and Podbean podcasts, news health effects of wood smoke and on progress in shutting down world residential wood burning, since April 2022. URL <https://news.mongabay.com/2020/05/scientists-warn-congress-against-declaring-biomass-burning-carbon-neutral/> Scientists warn U.S. Congress against declaring biomass burning carbon neutral May 13, 2020 in Mongabay URL <https://www.express.co.uk/news/science/1732748/wood-burner-london-sadiq-khan-air-pollution-ban-planning-guidance> Wood burners given the chop in new London homes as Sadiq Khan cracks down on pollution Wood burners are directly linked to air particle pollution, with is associated with around 29,000 attributable deaths annually in Britain. February 9, 2023.

Resolution 2 TITLE (250 characters)

Wisconsin government should use citizen-scientist online data of PM2.5 residential wood burning emissions using hyper-localized Purpleair monitors to enforce local ordinances or laws to shut down residential wood burning for health of neighbors.

Resolution 2 PROPOSED RESOLUTION (2000 characters)

Would you support the Conservation Congress working with the state legislature to use citizen-scientist online data of PM2.5 residential wood burning emissions using hyper-localized Purpleair monitors to enforce local ordinances or laws to shut down residential wood burning for health of neighbors? Wood smoke is 90% PM2.5. PM2.5 is the perfect size to infiltrate the human lung, producing a cascade of human health problems and early deaths. US scientists say wood burning is not carbon neutral, emitting more particulates than coal burning. Residential heat from solar, wind, and heat pumps, that can work at low temperatures in Wisconsin during the winter, produces negligible particulate matter. Residential wood burning in even Ecodesign wood stoves (United Kingdom (UK) certified, comparable or less polluting than US certified wood stoves) emit 450 times the Particulate Matter of 2.5 micrometer size (PM2.5) compared to residential natural gas furnaces, shown by resident-owned (PM2.5) monitors of near neighbors of residential wood burners. Purpleair PM2.5 data is seen by the general public and government officials 24/7, allowing weekend and overnight data downloads from near neighbors' yards in normal working hours, with no need to enter residences to shut down residential wood burning. If US Environmental Protection Agency (EPA) limits of PM2.5 to 8 micrograms per meter cubed annually and 25 micrograms per meter cubed daily change in 2023 residential wood stove pollution will be redefined. The European Union (EU) in 2022 stopped most subsidies for wood burning. In the UK 8% of residents burning wood produce more PM2.5 in London and areas of the UK than traffic. In 2023 the London mayor approved regulations of new and refurbished homes in London that effectively regulate wood stoves out of residential use, a movement to regulate PM2.5 from residential wood burning across the UK. Research papers show harmful effects of wood smoke PM2.5 on lungs, heart, and brain.

Resolution 2 OPTIONAL SUPPORTING DATA (1000 characters)

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