

Citizen Resolution # 131523



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

PurpleAir PM2.5 monitors cost less than \$300, with data put on United States (US) Airnow Smoke and Fire maps. In 2020, US Scientists wrote a letter to the US Congress warning against declaring wood burning Carbon Neutral. PM2.5 is Particulate Matter of 2.5 micrometer size. Wood Smoke is 90 percent PM2.5. Since hyper-localized PM2.5 PurpleAir website data is available to the general public and government officials 24/7, weekend and overnight readings from yards of near neighbors can be downloaded by government officials during normal working hours, with no need to enter residences to shut down residential wood burning. Residential wood burning in even United Kingdom (U K) Ecodesign certified wood stoves, which are comparable to or less polluting than U S certified wood stoves, produces 450 times the polluting PM 2.5 as residential natural gas furnaces. This is shown by resident-owned PM 2.5 monitors of near neighbors of residential wood burners. U S Environmental Protection Agency (E P A) certification of wood stoves is a failure in containing PM2.5 pollution. If U S E P A PM2.5 limits change to 8 micrograms per meter cubed annually and 25 micrograms per meter cubed daily, as expected, 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 burn wood but produce more PM2.5 in London and other U K areas than traffic. In 2023 the U K 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.

Would you support legislative action to provide citizen-scientist residents 2.5 micrometer Particulate Matter (PM2.5) Purpleair monitors to end residential wood burning, which emits excessive hyper-localized PM 2.5 harm to health of near neighbors? (requires legislation)

Additional Information provided by author:

<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

<https://www.express.co.uk/news/science/1732748/wood-burner-london-sadiq-khan-air-pollution-ban-planning-guidance> Wood burners directly linked to air particle pollution, associated with around 29,000 attributable deaths annually in Britain. February 9,

2023.RAWSEPresidents.wordpress.com

PDFs, Youtube

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Dane County

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