

Episode 56LZ November 24, 2023. Residents Against Wood Smoke Emission Particulates, Jeopardy.

Dirty Wood Burning Plants, JEOPARDY BOARD, Wood burning power Maine, Wood burning power California, Wood burning Wisconsin, Coal Burning, Wood burning, Gas burning, wood burning. Final Jeopardy.

Topic 1, \$100 question. 6th and 5th Dirtiest Wood Burning (Biomass) Power Plants in Maine?

Topic 1, \$100 Answer. 6th Dirtiest Wood Burning Plant: Woodland in Washington County, Maine and 5th Dirtiest Wood Burning Plant: Somerset in Somerset County, Maine

Topic 1, \$200 question. 4th dirtiest Wood Burning (Biomass) Power Plant in Maine?

Topic 1, \$200 Answer. 4th Dirtiest Wood Burning Plant: MMWAC in Androscoggin County, Maine

Topic 1, \$300 question. 3rd Dirtiest Wood Burning (Biomass) Power Plant in Maine?

Topic 1, \$300 Answer. 3rd Dirtiest Wood Burning Plant: Penobscot in Penobscot County, Maine

Topic 1, \$400 question. 2nd Dirtiest Wood Burning Power Plant in Maine?

Topic 1, \$400 Answer. 2nd Dirtiest Wood Burning Plant: Rumford in Oxford County, Maine

Topic 1, \$500 question. Dirtiest Wood Burning (Biomass) Power Plant in Maine?

Topic 1, \$500 Answer. 1st dirtiest Wood Burning Plant: Regional Waste in Cumberland County, Maine

Topic 2, \$100 question. First, Second and Third (alphabetically) of 15 Biomass Plants in California: Name and (location)

Topic 2, \$100 Answer. 1)Buena Vista (Buena Vista) 2)Burney Forest (Johnson Park) 3)Covanta (Stanislaus County)

Topic 2, \$200 question. Fourth, Fifth and Sixth (alphabetically) of 15 Biomass Plants in California: Name and (location)

Topic 2, \$200 Answer. 4)Desert View (Mecca) 5)Dinuba (Reedley) 6)Fairhaven (Fairhaven)

Topic 2, \$300 question. Seventh, Eighth and Ninth (alphabetically) of 15 Biomass Plants in California: Name and (location)

Topic 2, \$300 Answer. 7)Honey Lake (Lassen County) 8)Loyalton (Loyalton) 9)Mount Poso (Kern County)

Topic 2, \$400 question. Tenth, Eleventh and Twelfth (alphabetically) of 15 Biomass Plants in California: Name and (location)

Topic 2, \$400 Answer. 10)Pacific (Tuolumne County) 11)Port of Stockton (Stockton) 12)Rio Bravo Fresno (Fresno)

Topic 2, \$500 question. Thirteenth, Fourteenth and Fifteenth (alphabetically) of 15 Biomass Plants in California: Name and (location)

Topic 2, \$500 Answer. 13)Rio Bravo Rocklin (Whitney) 14)Wheeler Shasta (Anderson) 15)Woodland (Woodland)

Topic 3, \$100 question. 1st and 2nd (alphabetically) of 9 Biomass Plants in Wisconsin: Name and (location)

Topic 3, \$100 Answer. 1)Bay Front (Ashland County) 2)Flambeau River (Price County)

Topic 3, \$200 question. 3rd and 4th (alphabetically) of 9 Biomass Plants in Wisconsin: Name and (location)

Topic 3, \$200 Answer. 3)French Island (LaCrosse County) 4)Kaukauna (Outagamie County)

Topic 3, \$300 question. 5th and 6th (alphabetically) of 9 Biomass Plants in Wisconsin: Name and (location)

Topic 3, \$300 Answer. 5)Manitowoc (Manitowoc County) 6)Mosinee (Marathon County)

Topic 3, \$400 question. 7th and 8th (alphabetically) of 9 Biomass Plants in Wisconsin: Name and (location)

Topic 3, \$400 Answer. 7)Nekoosa (Wood County) 8)Rothschild (Marathon County)

Topic 3, \$500 question. Last 1 (alphabetically) of 9 Biomass Plants in Wisconsin: Name and (location)

Topic 3, \$500 Answer. 10)Wisconsin Rapids (Wood County)

Topic 4, \$100 question. Which type of burning emits more CO₂ and PM_{2.5}, coal burning or wood burning?

Topic 4, \$100 Answer. Wood Burning emits more CO₂ and PM_{2.5} than Coal Burning. PM_{2.5} is Particulate Matter of 2.5 micrometer size.

Topic 4, \$200 question. What are the health effects of breathing PM_{2.5}?

Topic 4, \$200 Answer. PM_{2.5}, particulate matter of 2.5 micrometer size, is the perfect size to infiltrate the human lung, setting off a cascade of human health problems and early deaths.

Topic 4, \$300 question. How is \$229 resident owned PurpleAir PM_{2.5} monitor data correlated to \$100,000 Environmental Protection Agency (EPA) PM_{2.5} monitor data, on EPA AirNow Maps of Smoke and Fire?

Topic 4, \$300 Answer. \$229 resident owned PurpleAir PM_{2.5} monitor data is correlated to \$100,000 Environmental Protection Agency (EPA) PM_{2.5} monitors with a simple mathematical formula

Topic 4, \$400 question. Is \$229 resident owned PurpleAir PM_{2.5} monitor data (collected every 10 minutes) correlated to \$100,000 Environmental Protection Agency (EPA) PM_{2.5} monitor data with the simple mathematical formula? (in Wisconsin, for example) $(PA \times 0.514) + 1.8304$

Topic 4, \$400 Answer. \$229 resident owned PurpleAir PM_{2.5} monitor data (collected every 10 minutes) is correlated to \$100,000 Environmental Protection Agency (EPA) PM_{2.5} monitor data with the simple mathematical formula (in Wisconsin for example) $(PA \times 0.514) + 1.8304$

Topic 4, \$500 question. Are there more PurpleAir PM2.5 monitors on AirNow Maps of Smoke and Fire than \$100,000 EPA PM2.5 monitors?

Topic 4, \$500 Answer. 1)There more PurpleAir PM2.5 monitors on AirNow Maps of Smoke and Fire than \$100,000 EPA PM2.5 monitors, and 2)PurpleAir PM2.5 monitors are usually hyper-localized closer to indoor residential wood burners, whose PM2.5 wood smoke pollution sickens near neighbors.

Topic 5, \$100 question. Which type of burning emits more PM2.5, natural gas burning or wood burning (even Ecodesign Wood burners in the United Kingdom)?

Topic 5, \$100 Answer. Wood burning (even in Ecodesign wood burners in the United Kingdom) emits 450 times the PM2.5 as natural gas burning.

Topic 5, \$200 question. How can near neighbors of indoor residential wood burners whose PM2.5 wood smoke pollution sickens the near neighbors, gather evidence of ambient air quality levels above NAAQS?

Topic 5, \$200 Answer. Near neighbors of indoor residential wood burners whose PM2.5 wood smoke pollution sickens them can gather evidence of ambient air quality levels above NAAQS with hyper-localized PurpleAir PM2.5 monitors

Topic 5, \$300 question. What is Residents Against Wood Smoke Emission Particulates (RAWSEP's) grant going to do for near neighbors of indoor residential wood burners whose smoke sickens the near neighbors?

Topic 5, \$300 Answer. Residents Against Wood Smoke Emission Particulates (RAWSEP's) grant will be written to 1)Handout PM2.5 monitors to near neighbors of indoor residential wood burners whose wood smoke PM2.5 sickens the near neighbors. And 2)subsidize and hand out Heat Pumps that work at 40 degrees below zero (the temperature scales of Fahrenheit and Centigrade converge briefly at 40 below), the clean alternative for home heating.

Topic 5, \$400 question. What states and regions is the RAWSEP grant being written for?

Topic 5, \$400 Answer. 1)The Contra Costa, Humboldt, and San Francisco counties of California. 2)The Dane, Iowa, Richland, and Vernon counties of Wisconsin.

Topic 5, \$500 question. Will there be a survey?

Topic 5, \$500 Answer. Yes there will be a survey.

Final Jeopardy.

Final Jeopardy question. Will there be a survey?

Final Jeopardy Answer. Email rawsepresidents@gmail.com