

JEOPARDY!

**THIS IS CLIMATE AND HEALTH
JEOPARDY FROM WOOD BURNING**

Category 1 \$200 2.5 micrometer
Category 1 \$400 12
Category 1 \$600 35
Category 1 \$800 8
Category 1 \$1000 25
Category 2 \$200 90
Category 2 \$400 2.5
Category 2 \$600 Lung Cancer and Asthma
Category 2 \$800 Hyper-localization of Emissions
Category 2 \$1000 Infiltration of PM2.5 into neighbors' homes
Category 3 \$200 indoor residential wood stoves
Category 3 \$400 agricultural stubble burning to clear fields
Category 3 \$600 indoor residential wood stoves
Category 3 \$800 indoor residential wood stoves
Category 3 \$1000 indoor residential wood stoves
Category 4 \$200 Heat Pumps
Category 4 \$400 The Netherlands
Category 4 \$600 Iron-Air Batteries
Category 4 \$800 Price trajectory downward
Category 4 \$1000 No viability without subsidies
Category 5 \$200 Drax
Category 5 \$400 Cutback on subsidies for Biomass (wood) burning plants in European Union
Category 5 \$600 Carbon Neutrality
Category 5 \$800 Carbon Neutrality is not true.
Category 5 \$1000 Japan
Category 6 \$200 Maine Senator Susan Collins
Category 6 \$400 PurpleAir PM2.5 monitor
Category 6 \$600 Correlated with a simple mathematical formula.
Category 6 \$800 PM2.5 monitor
Category 6 \$1000 Health Department

- To **PLAY**: scroll down this PDF to **Answers on Board**.
- Questions **HERE** for Categories
- 1 thru 6, \$200, \$400, \$600, \$800, \$1000
- To see this Jeopardy Question slide again, scroll up to this Slide 2.
- Scroll down to resume viewing Jeopardy answers. You are a **Winner** just for reading this!

PANEL

CATEGORY 1	CATEGORY 2	CATEGORY 3	CATEGORY 4	CATEGORY 5	CATEGORY 6
\$200	\$200	\$200	\$200	\$200	\$200
\$400	\$400	\$400	\$400	\$400	\$400
\$600	\$600	\$600	\$600	\$600	\$600
\$800	\$800	\$800	\$800	\$800	\$800
\$1000	\$1000	\$1000	\$1000	\$1000	\$1000

CATEGORY 1 · \$200

PM2.5 size

← BACK TO PANEL

CATEGORY 1 · \$400

Current E P A “safe” annual level of
PM_{2.5}, in micrograms per meter
cubed

← BACK TO PANEL

CATEGORY 1 · \$600

Current E P A “safe” daily level of
PM_{2.5}, in micrograms per meter
cubed

← BACK TO PANEL

CATEGORY 1 · \$800

Environmentalists' suggested annual
365 day average "safe" limit of
PM_{2.5}, in micrograms per meter
cubed

← BACK TO PANEL

CATEGORY 1 - \$1000

Environmentalists' suggested daily 24 hour average "safe" limit of PM_{2.5}, in micrograms per meter cubed

← BACK TO PANEL

CATEGORY 2 · \$200

The percentage of indoor residential
wood smoke burning emissions that
are PM_{2.5}

← BACK TO PANEL

CATEGORY 2 · \$400

The perfect size of particulate matter
to infiltrate the human lung, in
micrometers

← BACK TO PANEL

CATEGORY 2 · \$600

Two of the the main health
problems caused by indoor
residential wood burning emissions

← BACK TO PANEL

CATEGORY 2 · \$800

**Why near neighbors of indoor
residential wood burners experience
more wood burning pollution than
other neighbors**

← [BACK TO PANEL](#)

CATEGORY 2 - \$1000

Why near neighbors of indoor residential wood burners have to use air purifiers inside their homes.

← BACK TO PANEL

CATEGORY 3 · \$200

Residential heating method since 2019
has produced more PM_{2.5} pollution
in the United Kingdom than vehicle
exhaust

← BACK TO PANEL

CATEGORY 3 · \$400

Produces the most PM_{2.5} pollution in
India during Diwali festival in
December (not fireworks)

← BACK TO PANEL

CATEGORY 3 · \$600

What dirty heating devices **NOT** to supply to Ukraine, for humanitarian reasons (to prevent air pollution)

← BACK TO PANEL

CATEGORY 3 · \$800

What dirty heating devices **NOT** to supply to refugee camps, for humanitarian reasons (to prevent air pollution)

← BACK TO PANEL

CATEGORY 3 - \$1000

What dirty cooking devices NOT to supply to Africa, for humanitarian reasons (to prevent air pollution)

← BACK TO PANEL

CATEGORY 4 · \$200

Advanced technology that heats
homes at down to 40 degrees below
zero Fahrenheit

← BACK TO PANEL

CATEGORY 4 · \$400

European Country where wind energy recently, briefly, had a negative cost to consumers.

← BACK TO PANEL

CATEGORY 4 · \$600

Name of the lowest-cost industrial
scale battery that can store 100 hours
of energy at a time

← BACK TO PANEL

CATEGORY 4 · \$800

Wind and Solar energy price trajectory

← BACK TO PANEL

CATEGORY 4 - \$1000

**Biomass (wood) burning economic
viability without subsidies**

← BACK TO PANEL

CATEGORY 5 · \$200

2nd largest Biomass Plant in the
World (receives subsidies from
United Kingdom, and receives wood
shipped from British Columbia and
the U.S.)

← BACK TO PANEL

CATEGORY 5 · \$400

European Union cutback in 2022 of
way of propping up Biomass (wood)
burning economic viability

← BACK TO PANEL

CATEGORY 5 · \$600

Political theory that CO₂ and PM_{2.5} emissions from Biomass (wood) burning don't count, although wood burning produces higher levels of emissions than Coal burning.

← BACK TO PANEL

CATEGORY 5 · \$800

Scientists' overwhelming opinion on
whether Biomass (wood) burning is
Carbon Neutral

← BACK TO PANEL

CATEGORY 5 - \$1000

Country that, as of April 2023,
discloses amount of PM_{2.5} emitted
from the stacks of its Biomass (wood)
burning plants

← BACK TO PANEL

CATEGORY 6 · \$200

Maine Senator who was deciding
vote to keep Carbon Neutrality in
United States legal jargon in
December 2022

← BACK TO PANEL

CATEGORY 6 · \$400

PM2.5 monitor brand that is used side
by side with \$100,000 U. S. E P A
PM2.5 monitors on Airnow Maps of
Smoke and Fire

← BACK TO PANEL

CATEGORY 6 · \$600

How low-cost PurpleAir PM2.5
monitors are correlated with \$100,000
U.S. EPA monitors

← BACK TO PANEL

CATEGORY 6 · \$800

Low-cost technology that could measure fence-line PM_{2.5} emissions from indoor residential wood burning and store the data online for use by local government authorities

← BACK TO PANEL

CATEGORY 6 - \$1000

Local government department
viewing data from hyper-localized
PurpleAir PM2.5 monitors owned by
near neighbors of indoor residential
wood burners.

← BACK TO PANEL



WINNER!