

United States A home improvement show is converting a wood burning fireplace to a gas insert fireplace The fireplace is owned by a firefighter who does not like the wood burning fumes and the odor inside the house The fact that PM2.5 from the wood burning fireplace causes air pollution that sickens near neighbors is not mentioned on this show Anyway the conversion from wood burning to natural gas burning is truly an improvement The home improvement show host says this conversion is not a do it yourself DIY project so they assembled a team first to vent through the chimney Gas fireplaces do not use much power but for this house the gas insert fireplace requires new wiring There is a safety switch on the unit Another worker uses a T to branch off a small gas line off the main gas line already existing in the house for home heating Final connections of intake and exhaust and the gas insert is put in Air is purged out of the line and the line is tested for leaks Fake logs are put in last The fireman thinks it looks great and it is controlled with a flame height set and the embers are made of fiber cement and will always look the same A battery back up for the flame and the height of the flame which provides some heat allows use of the gas fireplace even if the electricity goes off but the battery does not power the fireplace fan

United States Trump First Two Weeks Have Thrown US Climate Spending Into Chaos Executive orders and announcements by President Trump have put billions of dollars in US climate commitments into question Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates a 501c3 nonprofit organization January 30 2025 Over the past four years during the Biden administration the United States started spending ever greater sums on efforts to blunt global warming and help communities adapt Many analysts expected the total tab to exceed \$1 trillion over the next decade Trump has thrown much of that spending into question Some funds are frozen Some projects are paused And while a portion of that money is already out the door there uncertainty among people doing climate related work that relies on government funding and approvals Consider the aid that the United States sends to foreign countries to deal with climate change The United States Agency for International Development AID alone manages appropriations of roughly \$40 billion in annually a fraction of which goes to climate related projects Even among people who track federal spending closely there is uncertainty about what the US government is going to fund US efforts to address climate change could be affected Federal grants On Monday the Office of Management and Budget ordered a pause on almost all federal grants and loans saying it was necessary to root out DEI woke gender ideology and the Green New Deal There is no such thing as the Green New Deal but that language was clearly meant as a broadside attack on federal support for renewable energy projects By Wednesday the White House had rescinded that order creating more confusion But the scope of climate and energy related programs that could still be affected such a freeze is vast and includes several clean energy programs and efforts working to limit pollution Heatmap News compiled an extensive list Foreign aid Last week after a Trump executive order Trump Secretary of State announced a 90 day freeze on almost all foreign aid The stop work order affected scores of programs around the world Some projects have received waivers that will allow them to continue operating Programs managing the impact of climate change will be permanently cut What are they trying to do? Is it just provoke chaos? Fuel economy rules On Tuesday the Trump transportation secretary signed an order seeking to roll back fuel economy standards for automakers that had been set by the Biden administration The move could result in more tailpipe emissions from cars and trucks and slow the adoption of electric vehicles Wind power Last week



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One Million Better Moms for Clean Air 4h

Woke up this morning with clear sky over the yard. Then old stinky got up an fired up his pride and joy Blaze King stove. The smoke covered the whole street, but make his feel so powerful and controlling of our air quality. He has the RIGHT TO POLLUTE, whether we like it or not. Too bad we have recently lost three younger seniors on or near our street. Cancer and strokes took our neighbours but he has THE RIGHT TO POLLUTE AND KILL US!

AIR POLLUTION

- ✓ STROKE
- ✓ HEART DISEASE
- ✓ COPD
- ✓ LUNG CANCER
- ✓ PNEUMONIA

World Health Organization

PurpleAir

BLOG COMMUNITY MAP SENSORS

The LA Wildfires

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YOUTH ENVIRONMENTAL EDUCATION PROGRAM

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WE'LL BE SCHEDULING IN-PERSON AND VIRTUAL INTERVIEW SESSIONS THROUGHOUT WINTER & SPRING 2025

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GASP

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AND I WANNA TELL YOU ABOUT ONE OF THE SCARIEST ONES

Y quiero contarles sobre una de las más aterradoras

one of Trump first executive orders targeted wind energy The move brought an immediate halt to all leasing of federal lands and waters for new wind farms and directed federal agencies to stop issuing permits for all wind farms anywhere in the country Wind projects already under construction are unlikely to be affected But some projects that were far along in the development process but awaiting final approvals may be scuttled Electric vehicles Another executive order signed on Trump first day in office targeted electric vehicles A tax credit for people buying EVs was scrapped and federal funds intended to help install charging stations were put on hold While some funds that have been allocated for charging stations are still expected to be used the moves slow the development of the electric vehicle industry in the United States and help the ally of President Trump Tesla chief executive Elon Musk Tesla is the largest EV maker in the country Tesla has its own network of fast chargers and stands to benefit if rival networks are slow to be built Some climate funding could survive A Trump executive order targeting clean energy investments could affect the Department of Energy Loan Program Office which under the Biden administration awarded \$1076 billion in loans and loan guarantees to help bring new energy technologies to market More than \$60 billion of that has been finalized and would be hard for the Trump administration to claw back the Agreements are legally binding and cannot be abandoned at will

California Purpleair Newsletter The LA Wildfires Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates a 501c3 nonprofit organization
 January 30 2025 For a little over three weeks multiple wildfires have raged in the Los Angeles area These fires have threatened the homes health and lives of people in the greater LA County We are expressing our support for the people in these impacted communities here and hoping for the speedy containment and elimination of the fires We have also received a number of reports and questions asking why PurpleAir monitors in the area can be displaying levels of healthy air quality despite the concurrent events We deeply understand these concerns and do not want to downplay the situation or the quality of the air in LA To address these concerns we've put together a community article that discusses a few reasons we believe sensors are showing green levels of air quality Wildfires in LA Air Quality Events
 January 27 2025 PurpleAir We have received and seen a number of comments about the air quality in LA Generally people are asking why the PurpleAir map is green when the fires are still ongoing There are a few things to consider which we'll talk about below: PurpleAir and the AirNow Fire and Smoke Map PurpleAir data is displayed on the EPA's fire and smoke map available at <https://fireairnowgov/> If you're ever wondering if PurpleAir sensors are incorrect you can look at the Fire and Smoke map to see if they agree with EPA sensors PurpleAir sensors will appear as small dots while the larger dots are federal sensors PurpleAir sensors and the federal sensors on the Fire and Smoke map have displayed similar readings through the whole of the wildfires Check out the Fire and Smoke map Particulate Matter and Other Air Pollutants PurpleAir sensors primarily measure particulate matter PM which is a term for solid and liquid particles that float around in the air When you look at the PurpleAir map the numbers and colors you're seeing are only reflecting particulate levels There are other pollutants that could be in the air affecting air quality Check out the article below to learn more about what other pollutants could be in the air: Air quality after the fires: Understanding where and when the air is safe UCLA Wind Direction Wind direction has played a large part in directing where smoke from the LA fires has gone A lot of the time smoke has been sent out over the ocean instead of back inland Take a look at the following article to see how the different fire's smoke plumes have developed Los Angeles wildfires and air quality impact Copernicus



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How scared are you so far of Trump's agenda?

Nuclear level 16

Scared somewhat

Waiting to see

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GASP 10h

MORNING! HERE'S @HEALTHALLEGHENY'S AIR QUALITY AND DISPERSION FORECAST FOR TODAY:

January 30, 2025
 Air Quality Forecast and Dispersion Outlook for Allegheny County, PA

Prepared by: JMH Date: 1/30/2025 Time: 8:30 AM

	Pittsburgh, PA	Liberty-Clairton Area, PA
Today	PM2.5 Moderate 52 AQI	PM2.5 Moderate 54 AQI
Tomorrow	PM2.5 Moderate 56 AQI	PM2.5 Moderate 54 AQI

Today's Air Quality Forecast:
 As high pressure slips to the southeast Thursday, winds will average much lighter from the southwest. Limited mixing will result in PM2.5 averages reaching the lower moderate range. Under a partly sunny sky, high temperatures peak in the lower to middle 40s.

	Atmospheric Dispersion Index	Wind (dir mph)	Surface Inversion Forecast
Today Morning	26	S-S-10	Moderate
Today Afternoon	57	SW S-10	--
Today Evening	8	S-S	--
Today Overnight	11	S-S-10	--
Tomorrow Morning	13	S-S-10	Weak
Tomorrow Afternoon	27	W-SW 10-15 Gust 25	--

Morning Surface Temperature Inversion Report:

	Surface Temperature Inversion?	Temperature (°C)	Depth (m)	Est. Break Time (EDT)	Characterization	Upper air Inversion Present?
Today	Yes	3.5 °C	157 m	9:30 AM	Moderate	Yes