



air pollution control district
SANTA BARBARA COUNTY

CLEAN AIR ROOMS PILOT PROGRAM

South Central Coast Basinwide Air Pollution Control Council

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Director / APCO

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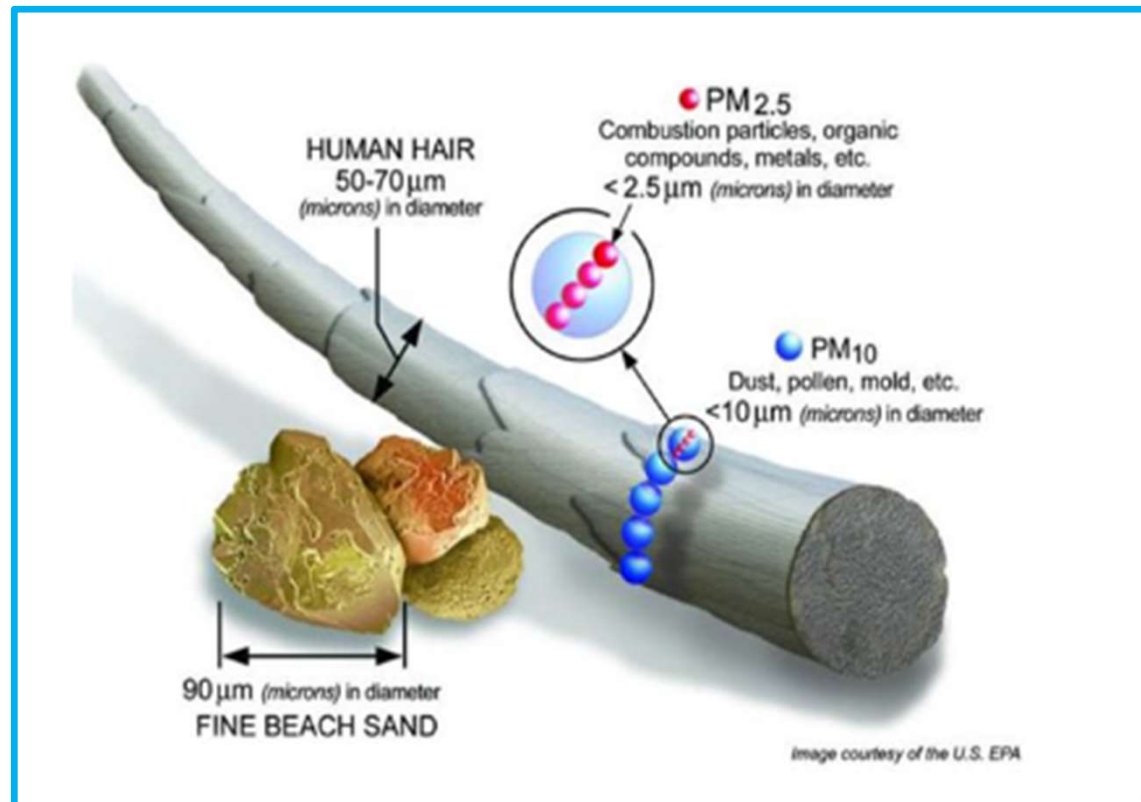
SMOKE IN SANTA BARBARA COUNTY

- Wildfires are year-round, smoke is more sustained
- Smoke from fires elsewhere can greatly affect our area
- Significant spikes in PM2.5 during August-October 2020, from out-of-county wildfires



WILDFIRE SMOKE & HEALTH

- Smoke and ash contain particulate matter (PM)
- PM harms the lungs and heart
- Sensitive groups are especially vulnerable to health effects



CLEAN AIR ROOMS

- The best protection against wildfire smoke: stay indoors as much as you can
- Use HEPA devices to create “clean air rooms”
- CARB maintains a list of devices approved for sale in the State

AIRE INTERIOR LIMPIO DURANTE INCENDIOS FORESTALES

El humo y las cenizas de los incendios forestales contienen partículas muy pequeñas, llamadas "partículas en suspensión". Estas dañan los pulmones y el corazón, y pueden ocasionar tos, sibilancias, dificultad para respirar, dolor de pecho, náuseas y, en casos graves, muerte prematura. Los niños, los adultos mayores, las embarazadas y quienes padecen enfermedades cardíacas o pulmonares son especialmente sensibles. El mejor modo de protegerse contra el humo de un incendio forestal es quedándose adentro tanto como sea posible, mientras haya humo. Antes del próximo incendio, tome medidas para asegurarse de que su familia tendrá una calidad de aire interior segura.

Cómo elegir y usar un purificador de aire

Los purificadores HEPA (filtro de aire de alta eficiencia) pueden disminuir en un 90 por ciento las partículas en suspensión del interior.

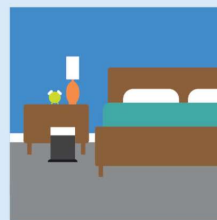
Elija uno adecuado para usted. Vienen en varias marcas y modelos, para diferentes tamaños de habitaciones. Un purificador HEPA para un dormitorio de tamaño estándar cuesta unos \$75, aproximadamente.

Puede adquirir uno en una ferretería o por Internet.



¡Asegúrese de que no genere ozono! Puede encontrar una lista de opciones seguras en línea:

www.arb.ca.gov/research/indoor/aircleaners/certified.htm



Use el purificador en una habitación en la que pase mucho tiempo, como el dormitorio.

Verifique las puertas y ventanas, y asegúrese de que la habitación esté cerrada herméticamente para que no pueda ingresar el humo del exterior.

Reemplace el filtro según se indica en el manual del usuario: se deben reemplazar los filtros con mayor frecuencia cuando se utilizan durante un incendio forestal.

www.OurAir.org



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CLEAN INDOOR AIR DURING WILDFIRES

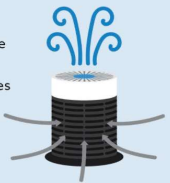
Smoke and ash from wildfires contain very small particles known as particulate matter. These particles harm the lungs and heart, and can cause coughing, wheezing, difficulty breathing, chest pain, nausea, and in severe instances, premature mortality. Kids, seniors, pregnant women, and people with heart or lung disease are especially sensitive. The best protection against wildfire smoke is to stay indoors as much as possible when smoke is present. Before the next wildfire, take steps to ensure your family will have safe indoor air quality.

How to Choose & Use an Air Purifier

HEPA (High-Efficiency Particulate Air) purifiers can reduce particulate matter indoors by 90%.

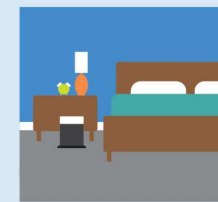
Choose one that's right for you. They come in various makes and models, for different room sizes. A HEPA purifier for average-sized bedroom costs approximately \$75.

You can purchase one at a hardware store or through online retailers.



Make sure it doesn't create ozone! Find a list of safe options online:

www.arb.ca.gov/research/indoor/aircleaners/certified.htm



Use the purifier in a room where you spend a lot of time, like a bedroom.

Check your windows and doors and make sure the room is sealed tightly so smoke from the outdoors does not get pulled inside.

Make sure to replace the filter as directed in the owner's manual - filters need to be replaced more frequently when used during a wildfire.

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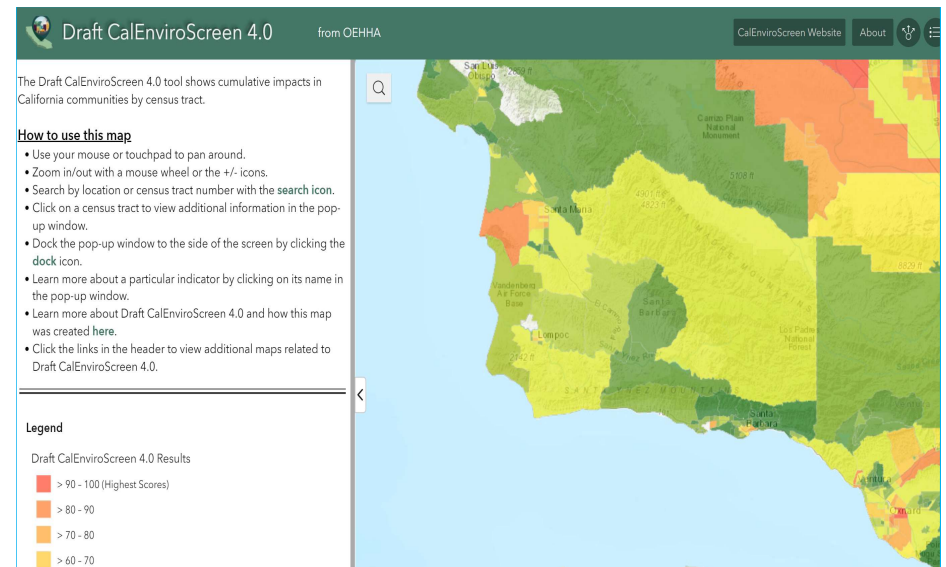


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COMMUNITIES FOR PILOT PROGRAM

- Recognizing community needs: underserved/disadvantaged, smaller population, outdoor agricultural workers
- Use State tools to assess for pollution burden and population characteristics
- With more funding in the future, District could expand this pilot program to other areas of the county



PROGRAM IMPLEMENTATION



- Purchase HEPA devices & replacement filters – goal is approx. 1,000 units
 - Specs include: certified by CARB, Energy Star rating, indicator light for filter replacement, quiet operation
- Distribution on a summer weekend day
 - First-come, first serve
 - One per household



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OUTREACH



- Work with partners to promote the program ahead of distribution day
 - English, Spanish, and Mixteco outreach
- Raise awareness of benefits of air purifiers to all Santa Barbara County residents
- Share program successes



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THANK YOU!

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Minimizing Sources of Indoor Air Pollution



If advised to stay inside, keep windows and doors shut.



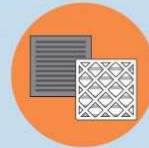
Do not smoke or burn firewood, candles, or incense in the house.



Use your range hood while cooking.



Contact a professional to check for air leaks with a blower door test.



Check with your HVAC professional to see what MERV rating your system can handle.

If temps are high and there is no way to keep the home cool with windows and doors shut, consider temporarily relocating until conditions improve.

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How to Make Your Own HEPA Air Purifier

STEP 1: MATERIALS

Purchase the following items from hardware stores or online retailers.



Duct Tape



20"x20" Air Filter (MERV rating 13 or higher)



20"x20" Box Fan

STEP 2: ASSEMBLE

Duct tape the air filter to the back of the box fan.

Check the filter for the direction of the air flow (marked on the sides of the filter).



STEP 3: MAINTENANCE

Replace the filter more frequently if used during a wildfire.

As needed, disassemble the box fan to wipe away any accumulated dirt.

Check your windows and doors to make sure the room is sealed tightly so smoke from the outdoors does not get pulled inside.



FOR SAFETY, FOLLOW THESE PRECAUTIONS:

- Don't leave the device unattended.
- Turn off the fan while sleeping.
- Use a box fan from 2012 or newer, due to added safety features.
- When the fan is modified in this way, use the device as an air cleaner, not as a fan to cool your home.

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