

SMOKE READY GORGE



Oregon State University
Extension Service





Oregon State
University
Extension Service
Wasco County

**4H Youth
Development,
Clubs, & STEM**

**Juntos &
Open Campus**

**Master
Gardeners**

**Agricultural
Support**

**Tree Fruit
Horticulture**

**Family &
Community
Health**



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Nutrition education
StrongPeople classes
Disaster preparedness
Healthy homes
...and more!



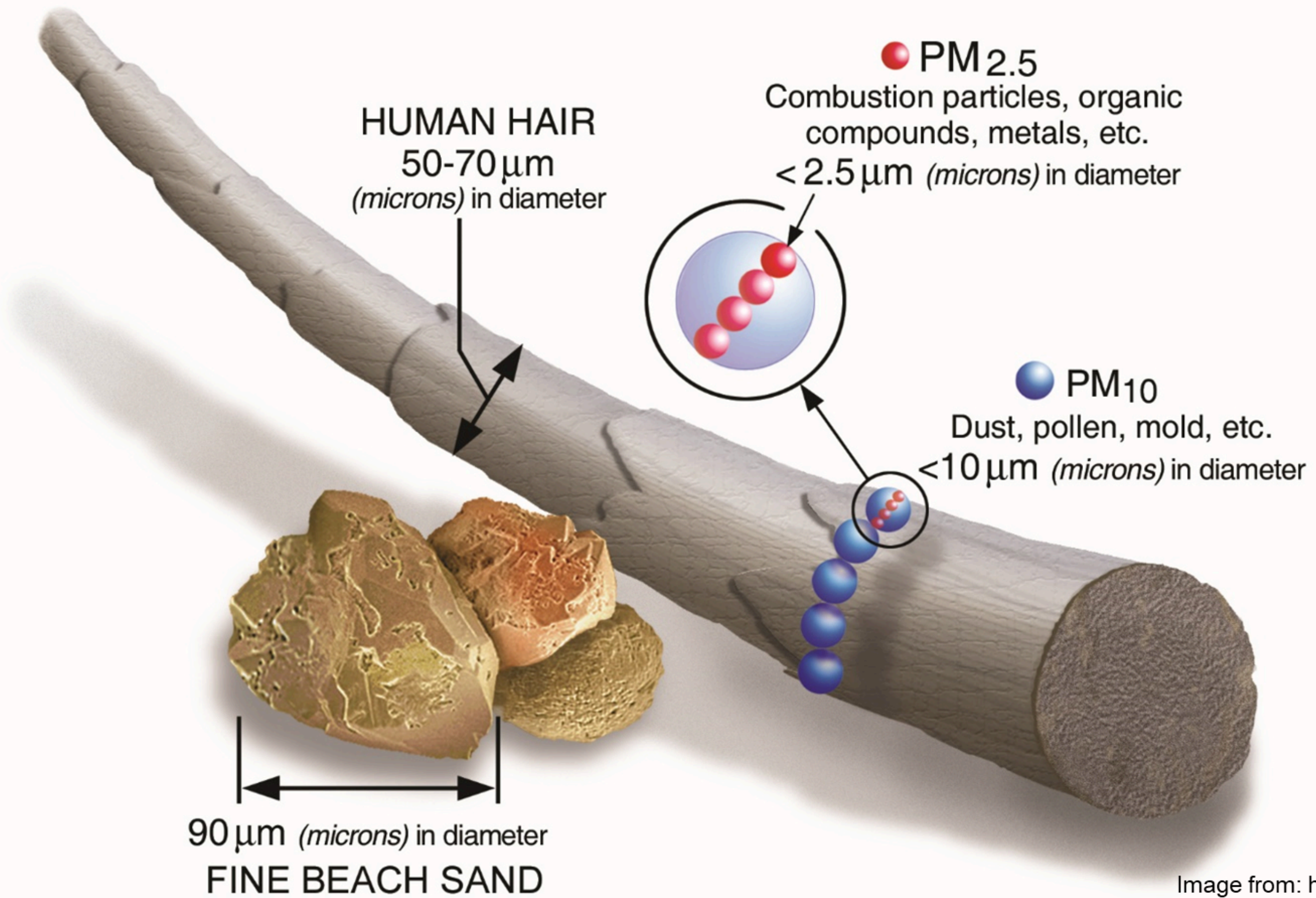
<https://extension.oregonstate.edu/wasco>

Air quality is a year-round concern.

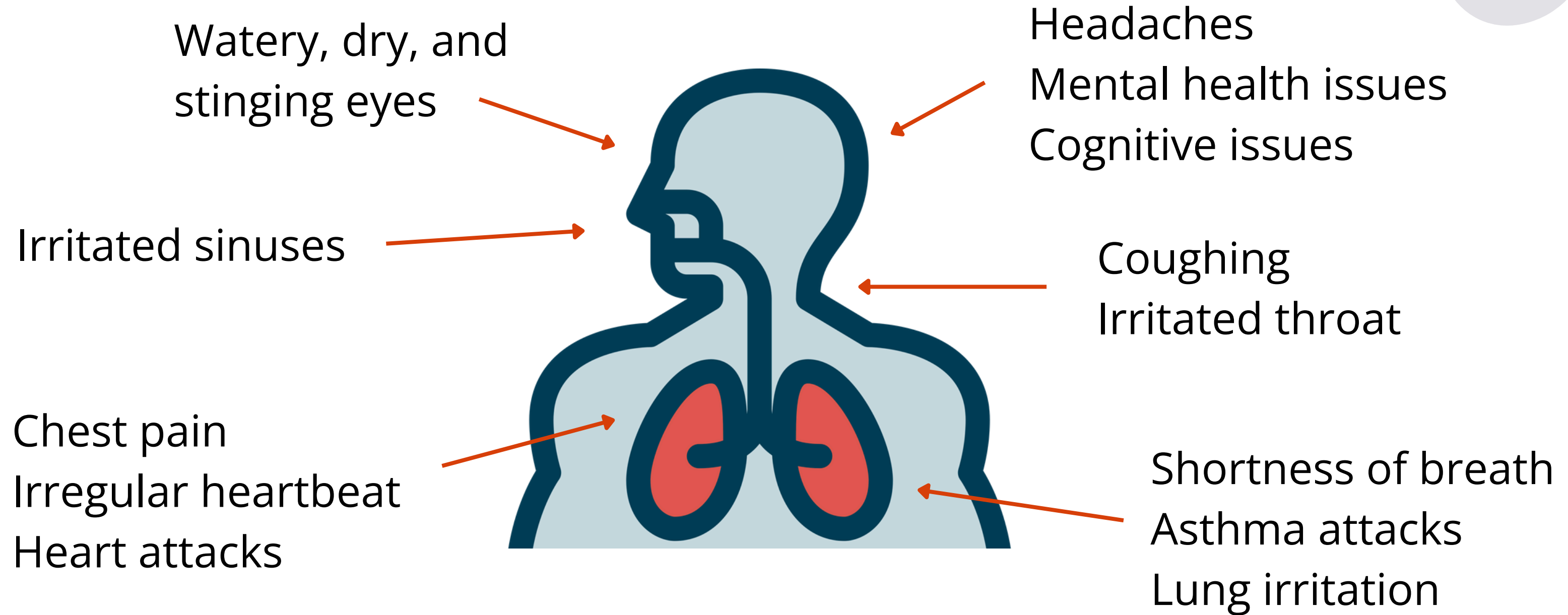
- **Summer:** Wildfire smoke
- **Fall:** Wildfire smoke, outdoor burning
- **Winter:** Pollution and home heating, especially during inversions
- **Spring:** Agricultural burning, prescribed burns



What is smoke made of?



Smoky air can cause or worsen...



The Dalles Wildfire Smoke by AQI Category

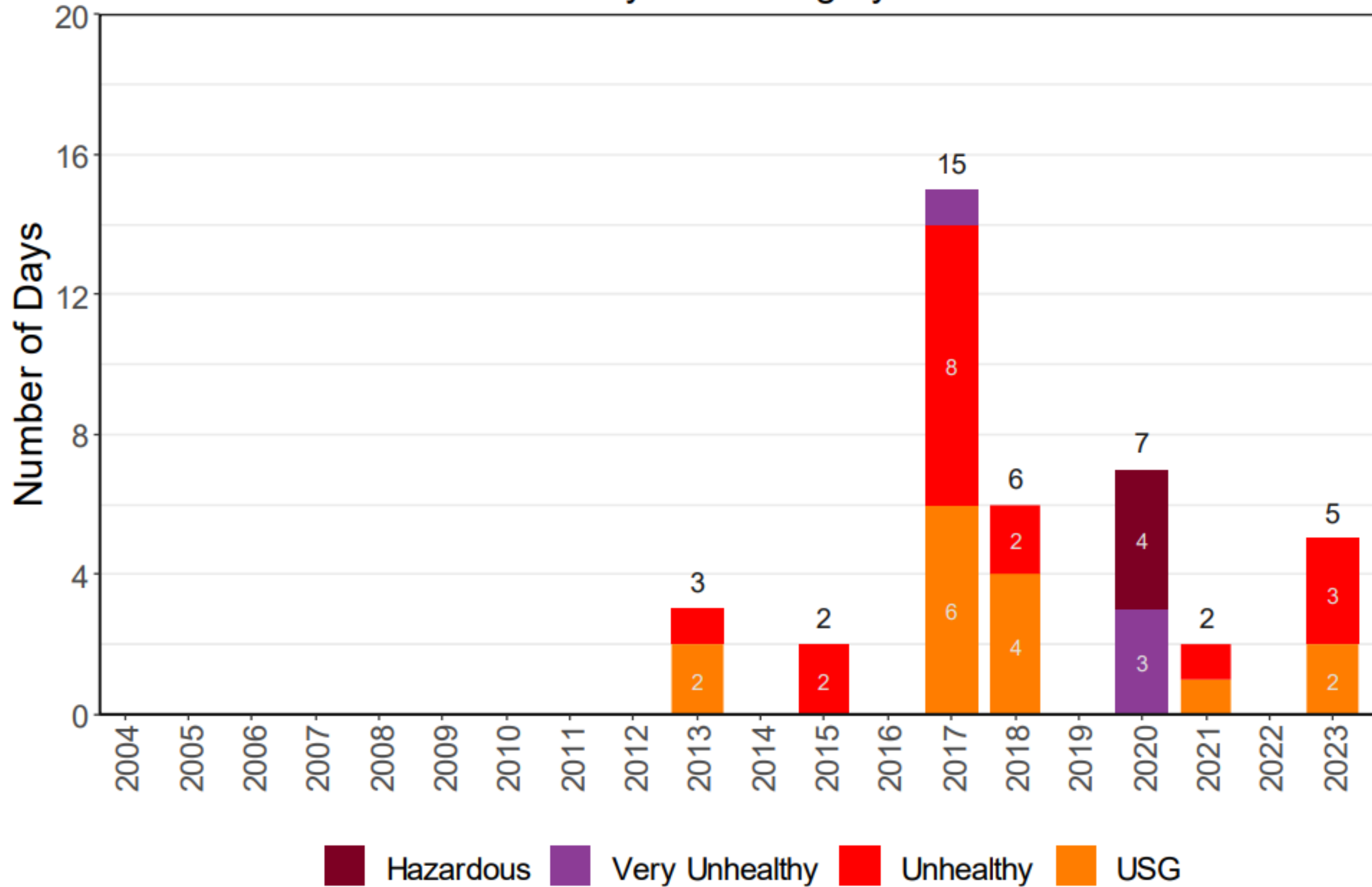


Figure 28. The Dalles wildfire \geq USG AQI wildfire smoke trends.

AQI Basics for Ozone and Particle Pollution

Daily AQI Color	Levels of Concern	Values of Index	Description of Air Quality
Green	Good	0 to 50	Air quality is satisfactory, and air pollution poses little or no risk.
Yellow	Moderate	51 to 100	Air quality is acceptable. However, there may be a risk for some people, particularly those who are unusually sensitive to air pollution.
Orange	Unhealthy for Sensitive Groups	101 to 150	Members of sensitive groups may experience health effects. The general public is less likely to be affected.
Red	Unhealthy	151 to 200	Some members of the general public may experience health effects; members of sensitive groups may experience more serious health effects.
Purple	Very Unhealthy	201 to 300	Health alert: The risk of health effects is increased for everyone.
Maroon	Hazardous	301 and higher	Health warning of emergency conditions everyone is more likely to be affected.

Source: <https://www.airnow.gov/aqi/aqi-basics/>

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Maroon	Hazardous	301 and higher	Health warning of emergency conditions: everyone is more likely to be affected.

- People with pre-existing conditions, particularly heart and respiratory disease
- Older adults
- Infants and children (0-21)
- Pregnant people
- Outdoor workers

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Purple	Very Unhealthy	201 to 300	Health alert: The risk of health effects is increased for everyone.
Maroon	Hazardous	301 to 500	With warning of emergency conditions: everyone is likely to be affected.

- People with pre-existing conditions, particularly heart and respiratory disease

- Older adults
- Infants and children
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***Approx.**
60-70%
of a population

Each NWCSD school received:

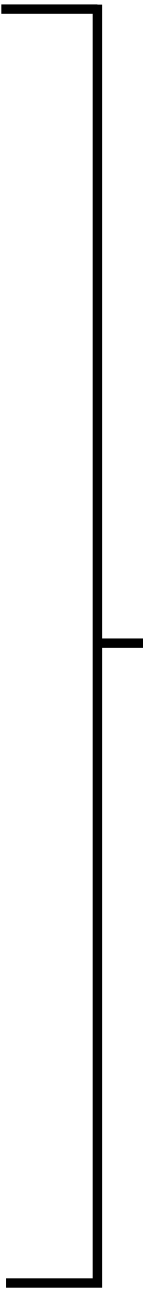


x1 Outdoor
PurpleAir
Monitor

*Excluding schools that
already have outdoor
PurpleAir monitors



x1 Indoor
PurpleAir
Monitor



Find data at:
SmokeReadyGorge.org
map.purpleair.com
fire.airnow.gov



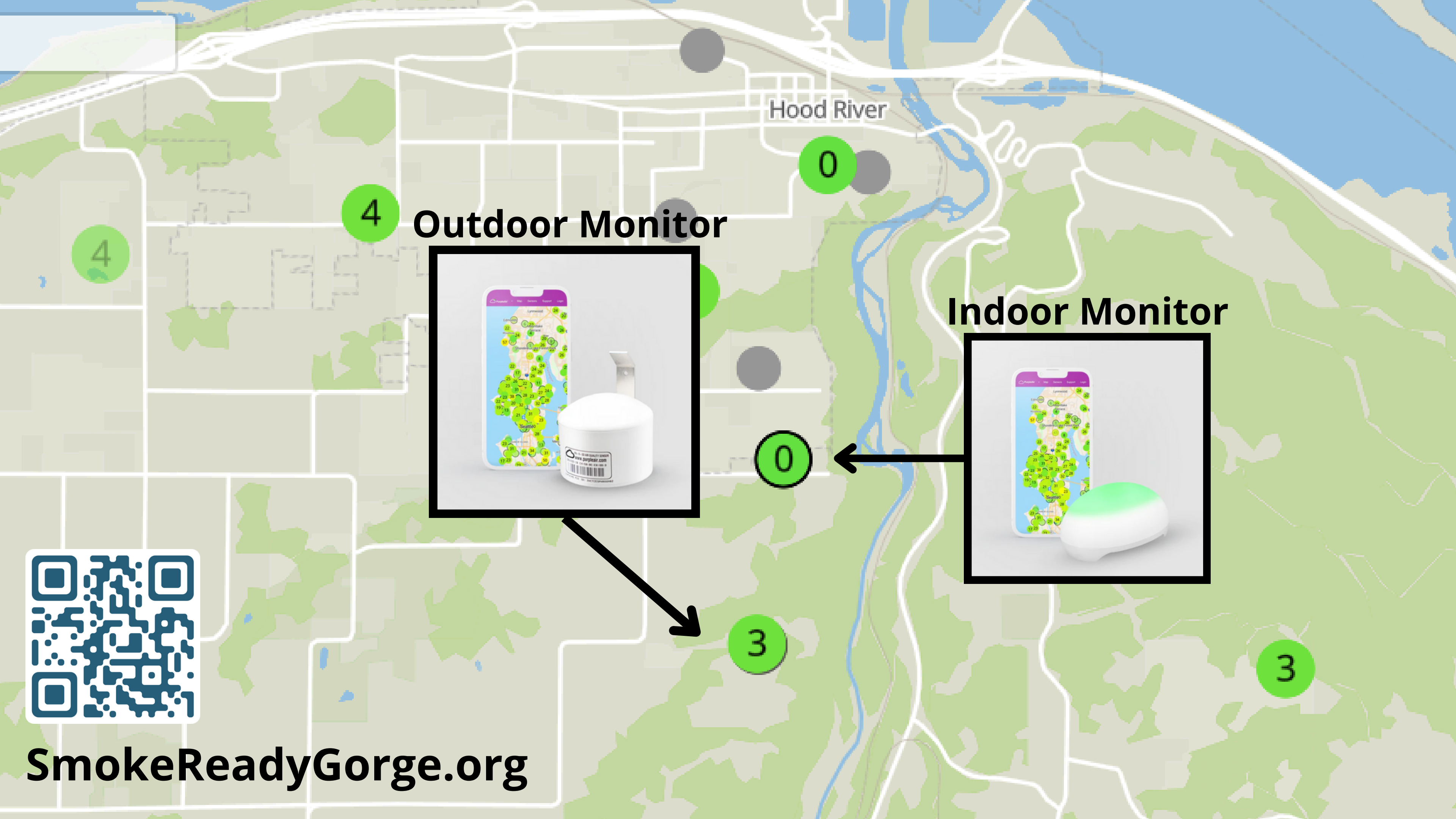
x2 Tabletop Monitors



SMOKE READY GORGE

In the Columbia River Gorge, the air can be smoky all year. Smoke Ready Gorge was created to protect our health and prepare for future smoke events. Let's be Smoke Ready together.





Hood River

4

Outdoor Monitor

0

4



Indoor Monitor



0

3

3



SmokeReadyGorge.org

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Maroon	Hazardous	301 and higher	Health warning of emergency conditions: everyone is more likely to be affected.

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Air Quality and Outdoor Activity Guidance for Infants, Children and Youth

Check the local Air Quality Index (AQI) online and do a visual inspection outside. Air quality conditions can change quickly. Compare the AQI information to your local visibility. Use the AQI and visibility that matches the conditions to choose the row to read. If the AQI and local visibility do not match, be cautious and select the worst. Use this guide to determine activity levels and minimize the smoke exposures at different air quality levels. However, if a child has an asthma plan, they should follow it closely. They should also monitor their breathing and exposure to wildfire smoke. Anyone experiencing symptoms should contact a health care provider for further advice. They should call 911 in case of an emergency.

Air Quality Index	Visibility Scale	Short outdoor activities 15 min–1 hour	Medium-length outdoor activities 1 hour–2 hours	Longer outdoor activities More than 2 hours
Good	More than 5 miles with no haze in the air	It's a great day to be active outdoors!	It's a great day to be active outdoors!	It's a great day to be active outdoors!
Moderate	5–15 miles with haze in the air	It's a good day to be active outside. <ul style="list-style-type: none"> • Watch those who are unusually sensitive to air pollution for symptoms of shortness of breath or coughing. 	<ul style="list-style-type: none"> • Watch those who are unusually sensitive to air pollution. • Look for symptoms of shortness of breath or coughing. • Reduce or stop the activity if symptoms arise. 	<ul style="list-style-type: none"> • Watch those who are unusually sensitive to air pollution. • Look for symptoms of shortness of breath or coughing. • Increase rest periods, reduce effort required or make substitutions as needed. • Reduce or stop the activity if symptoms arise.
Unhealthy for sensitive groups	3–5 miles	It's an OK day to be active outside. <ul style="list-style-type: none"> • Allow those sensitive to air pollution to stay indoors if they want to. 	<ul style="list-style-type: none"> • Move activities indoors for those sensitive to air pollution. • Limit outdoor activities to light ones or move them indoors. • Increase rest periods or make substitutions. • Monitor symptoms and reduce or cease activities if symptoms appear. 	<ul style="list-style-type: none"> • Move activities indoors for those sensitive to air pollution. • Limit activities to light ones or move them indoors or to a safer location. • Increase rest periods or make substitutions. • Monitor symptoms and reduce or cease activities if symptoms appear.
Unhealthy	1–3 miles	<ul style="list-style-type: none"> • Keep those sensitive to air pollution indoors as much as possible. • Move all activities indoors for those sensitive to air pollution. • For those who are not sensitive, limit them to only light outdoor activity. 	<ul style="list-style-type: none"> • Move all activities indoors for those sensitive to air pollution. • For groups without sensitivities: <ul style="list-style-type: none"> » Consider moving all activities indoors. » Limit all to light outdoor activities. » Increase rest periods or make substitutions. 	Strongly consider doing any of these: <ul style="list-style-type: none"> • Cancel the event. • Move the event indoors. • Postpone the event. • Move the event to an area with good air quality.
Very unhealthy or hazardous	1 mile or less	<ul style="list-style-type: none"> • Keep all groups indoors. • If any group MUST be outdoors: <ul style="list-style-type: none"> » Limit all activities to light ones. » Increase rest periods, reduce the effort required or make substitutions. 	<ul style="list-style-type: none"> • Move all activities indoors. 	Do any of the following: <ul style="list-style-type: none"> • Cancel the event. • Move the event indoors. • Postpone the event. • Move the event to an area with good air quality.

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Questions & Feedback

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