SB 762 (2021) Implementation

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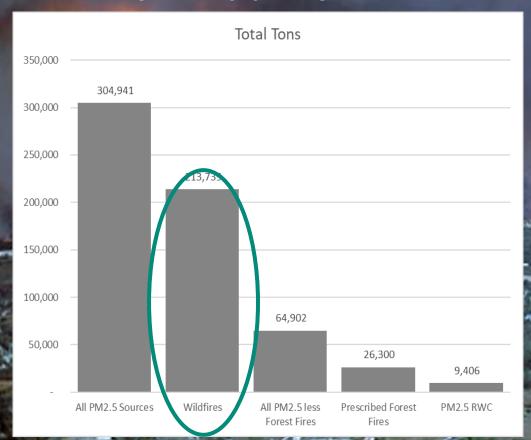






MORE WILDFIRE MEANS MORE WILDFIRE SMOKE

2017 NEI Tons PM2.5



Forests are drier for longer

Snowpacks are melting sooner are rising

Wildfires are getting larger and more severe

SENATE BILL 762, SECTION 13

- 13. The Department of Environmental Quality shall develop and implement a program for supporting local communities, in detecting, preparing for, communicating or mitigating the environmental and public health impacts of wildfire smoke.
- 13a. The Department of Environmental Quality shall establish a program for supporting local communities through intergovernmental agreements, grants, contracts or cooperative agreements to **develop and implement community response plans** to **enhance the communities' readiness and mitigation capacity for smoke.**
- 13b. (1) The Department of Environmental Quality shall establish and implement a program to **support communities across this state in monitoring, interpreting and communicating data** related to ambient air quality conditions caused by wildfire smoke.
- (2) As part of the program, the department shall:
- (a) Conduct **community outreach** in areas of this state that are prone to poor air quality attributable to elevated levels of particulate matter.
- (b) Deploy **air quality monitoring** equipment in a manner sufficient to evaluate an increased prevalence of poor air quality attributable to elevated levels of particulate matter.
- (c) Monitor meteorological conditions in a manner sufficient to **forecast** occurrences of poor air quality.























LRAPA









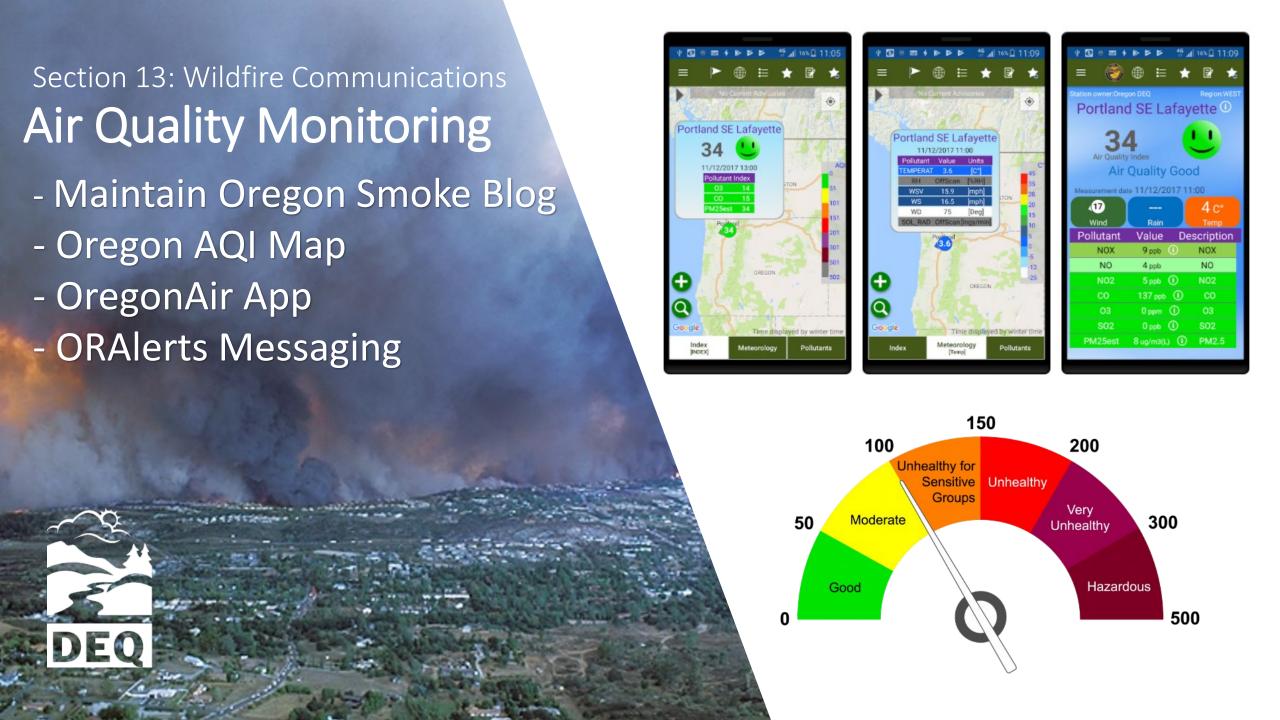










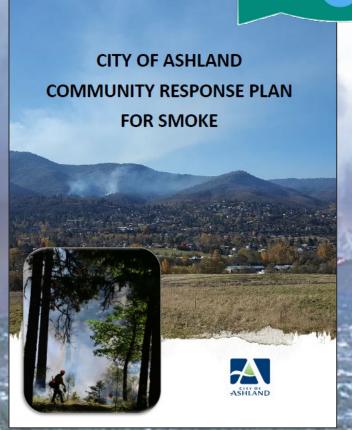


Community Response Plans



Bend, Oregon*
Ashland, Oregon*
Wallowa/Enterprise, Oregon*
Lakeview, Oregon
Oakridge, Oregon (was a nonattainment area)

2022 CRP Development Recipient
Jackson County, Oregon
Klamath County, Oregon
Union County/La Grande, Oregon
Hood River County & Wasco County Oregon





Section 13a: Pass-Through Funding

Four CRP development project

- City of Medford/Jackson County
- Klamath County
- Union County
- Wasco and Hood River Counties

Five CRP staffing and implementation project

- Deschutes County
- City of Ashland
- Wallowa County
- Town of Lakeview
- City of Oakridge



Section 13a: Pass-Through Funding

Tribal Smoke Preparedness

8 Tribal smoke preparedness projects

Smoke Mitigation and Alternatives to Burning

- 3 mitigation and alternatives to burning projects
- 2 ACI emissions testing and EAB control projects





May 2022 THE VOICE OF CLUSI

LEARN ABOUT WILDFIRE SMOKE AND HOW REDUCE EXPOSURE

We are blessed to live in the lush Pacific



PM2.5 (about 90%), which has a significant impact on human smoke, this story tells of the Particulate matter at this size is especially harmful resiliency of the first people our families and loved ones safe during smoke events. I would are a few precautionar

five gusts or layers of fire, from the ocean; they swept across or filter fan to make the air in the room even cleaner. HEPA save themselves. Everything burned. One sheet of fire came . When the air looks and smells smoky, it may not be the best and mud flats, crawling into the west mud and water until the II you must be outdoors, NIOSH approved masks with the Four more sheets of flame were evaded the very same way. protects you from air pollution

The Cultural and Natural Resources Department will be hosting regalar classes, please email direculture@ctclust.org or call Enna at (541) 297-7538.



Material Gathering

RSVP by May 5th if interested in caravanning

May 20th, Lake Creek Tract RSVP by May 19th if interested in caravanning

Call for details if you are interested in attending

Infants that could not run. The people could not explain what AirNow's Fire and Smoke Map is a reliable source, which can made the fire come that way, but maybe it was to purify the let you know if there are fires or smoke plumes within a 150-

> If you have any questions on air protection matters feel free to contact me at my Office: 541-435-7156 Cell: 541-294-6136

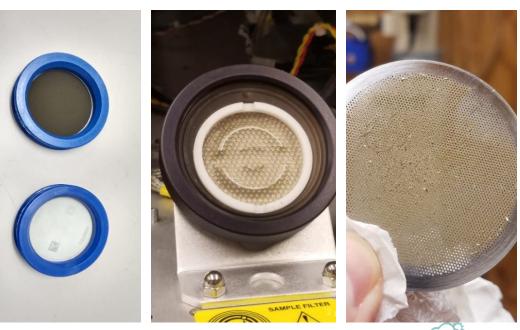


Looking for

Section 13b: Monitoring Network



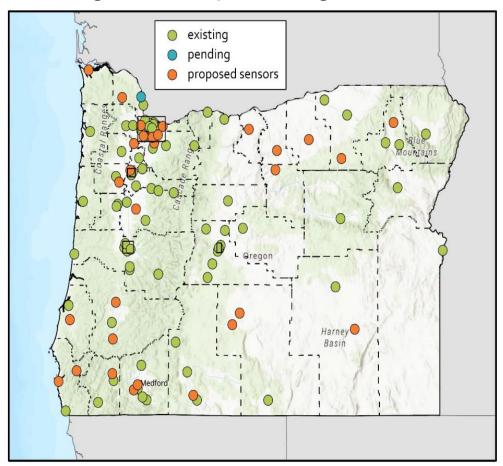
SB 762 Section 13b
Build and deploy 20 additional monitors





Statewide Monitoring Input Survey

Oregon Air Quality Monitoring Sites in 2022

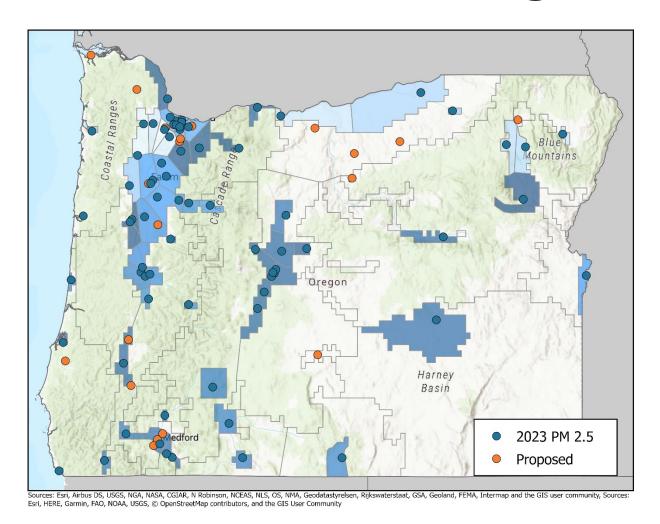


| City | County |
|--------------------------|-----------|
| Damascus | Clackamas |
| Gladstone | Clackamas |
| Oregon City | Clackamas |
| Seaside/Astoria | Clatsop |
| Vernonia | Columbia |
| Myrtle Point/Coquille | Coos |
| Agness | Curry |
| Gold Beach | Curry |
| Canyonville | Douglas |
| Sutherlin | Douglas |
| Condon | Gilliam |
| Steens Mtn | Harney |
| Central Point | Jackson |
| Jacksonville | Jackson |
| Merlyn | Josephine |

| City | County |
|--|------------|
| Klamath Falls (2 nd monitor) | Klamath |
| Christmas Valley | Lake |
| Paisley or Silver Lake | Lake |
| Lebanon | Linn |
| Salem/Keizer | Marion |
| Heppner | Morrow |
| Downtown Gresham | Multnomah |
| Monmouth/Independ ence | Polk |
| Moro | Sherman |
| Ukiah | Umatilla |
| Elgin | Union |
| Beaverton (2 nd monitor) | Washington |
| Tigard | Washington |
| Fossil | Wheeler |
| Newberg | Yamhill |



Section 13b: Monitoring Network



Understanding our network gaps

Polygon Mapping Project

- Partnership with OHA
- Gap analysis of network

New Monitor Locations Selected



SB 762 Next Steps

- Monitor Placement
- Grants and Contract Close-out
- Finalize Accomplishments and Lessons Learned
- Prepare for Fire Season and Staff Transitions



City of Medford CRP Development

Aaron Ott Emergency Manager City of Medford

We want your input!

Help us better understand how smoke from wildfires and prescribed fires affects you.

Your input will be used to create the **Jackson County Smoke Management** Community Response Plan.









Community Response Plan Jackson County







ource: Ashland Forest Resiliency, Gary Halverson, Oregon State Archives, Jennifer Horton, DEQ

March 2023

Final Report

Institute for Policy Research & Engagement School of Planning, Public Policy, and Management



Deschutes County Smoke Preparedness Staffing and CRP Implementation

Carissa Heinige

Public Health Emergency Preparedness Coordinator





Protect Your Health During Smoke Events During fire season in Central Oregon, it's important to protect your health from smoke exposure. The following list are things you can do to protect your health during periods of wildfire smoke: Limit your exposure to smoke. ☐ Check the air quality index (AQI) daily to plan your outdoor activities when AQI is at lower levels. Visit CentralOregonFire.org/smoke-air-quality/ for more information about air quality ☐ Reduce the amount of time spent outdoors, if possible □ Avoid vigorous outdoor activity ☐ Stay hydrated and drink plenty of water. ☐ Use over the counter tear drops to relieve eye irritation caused by ☐ Wear a properly fitted N-95 respirator indoors or outdoors to prevent lung irritation from large and small particulate matter (not gases). Wet towels or bandanas will provide little protection from small particulate matter and gases. Visit CentralOregonFire.org/frequently-asked-questions for a video about properly fitting an N-95 respirator. ☐ If you must be outdoors, wear goggles in areas of high ash & dust to prevent eve irritation. ☐ Visit CentralOregonFire.org for more information about fires in Central Oregon and protecting your health from smoke. ☐ Dial "211" to find out where cleaner air centers are located during periods of elevated smoke. ☐ Have an evacuation bag ready for leaving at a moment's notice. Make sure to include a supply of any medications you might need. Implement your plan for protecting your health at each evacuation level. Deschutes County evacuation levels can be found at CentralOregonFire.org/wildfire-smoke-air-quality-maps-2/ Visit CentralOregonFire.org for Information about protecting your health this fire season.

Community smoke response planning in Central Oregon

Community partnerships serving public health

Community Smoke Response Plan



PRESCRIBED FIRE, SMOKE, AND PUBLIC HEALTH: A Community Response Plan for the Bend Smoke Sensitive Receptor Area

- Deschutes County Health Services,
- Deschutes County Natural Resources
- Deschutes Collaborative Forest Project (DCFP)
- ODF
- DEQ
- Oregon Health Authority (OHA)
- Project Wildfire
- The Nature Conservancy (TNC)
- U.S. Forest Service Deschutes National Forest (DNF)
- Central Oregon Fire Management Service (COFMS)







PRESCRIBED FIRE UPDATE

BLM plans to begin ignitions on a 1,243-acre fuels reduction project southeast of Brothers

TEXT "COFIRE" TO 888-777 TO RECEIVE
WILDFIRE & PRESCRIBED FIRE TEXT
ALERTS

Accessibility

In Central Oregon, dry and warm conditions – usually in summer – can bring smoke from wildfires both near and far. Whether you are a local or a visitor, there is always a chance that smoky air will change your plans. The best thing to do is be ready. Smoky air can be harmful to your health- but there are things you can do to protect yourself and your loved ones. Here is what you need to know.

What You Can Do To Protect Your Health

There are things everyone needs to know to protect their health when it's smoky outside. For a list of guidelines, visit the <u>Smoke and Your Health</u> page or <u>download the checklists below</u>. Watch the videos of Dr. Mark Press from Mosaic Medical talking about some specific things you can do.









Smoke and Your Health Campaign

Link to PSA on Youtube



Smoke and Your Health Campaign





Smoke and Your Health Campaign

Esté preparado esta temporada de incendios



Durante la temporada de incendios en Oregón Central, es importante proteger su salud ante la exposición al humo. La lista a continuación, describe medidas que puede tomar para prepararse para los períodos de humo de incendios forestales:

- □ Abastézcase de filtros HEPA con un Valor de Reporte de Eficiencia Mínima (MERV, por sus siglas en inglés) de 13 o mayor. Coloque uno en su unidad de HVAC o construya un filtro casero usando un filtro HEPA y un ventilador de caja moderno (de 2012 en adelante), Visite Deschutes.org/Health/Page/indoor.air.quality-iang para encontrar las indicaciones de cômo construir usted mismo un filtro de aire con
- □ Destine una habitación en su vivienda para que sea una habitación limpia. Selle todas las ventanas y puertas para evitar que entre el humo de afuera, agregue un purificador de aire o un filtro de ventilador de caja casero y asegúrses de que en la habitación no se realicen actividades generadoras de partículas como cocinar o freir alimentos, fumar, aspirar, encender velas o incienso y usar aerosoles como ambientadores.
- Obtenga un purificador de aire y un humidificador si no cuenta con unos ya.
- Mantenga cerradas todas las puertas y ventanas de autos y edificios para evitar que entren partículas.
- Pregúntele a un amigo o familiar si pueden quedarse con ellos during durante un período de cantidades elevadas de humo o en una emergencia.
- Regístrese para recibir alertas por mensajes de texto. Envíe "COFIRE" al 888-777 para recibir alertas sobre incendios controlados e incendios forestales en su área. Regístrese en <u>DaschutesAlerts</u>, org para recibir alertas de mergencia.
- ☐ Conozca dónde obtener información sobre incendios en Oregón Central. Visite CentralOregonFire.org para recibir información sobre incendios y cómo proteger su salud ante el humo.
- □ Conozca dónde verificar el índice de calidad del aire (AQI, por sus siglas en inglés) y reviselo diariamente para planificar sus actividades en torno a los períodos de cantidades elevadas de humo. Visite CentralOregonFire.org para recibir más información referente a la calidad del aire.
- ☐ Marque al "211" para descubrir dónde se encuentran ubicados los centros de aire limpio durante los períodos de cantidades elevadas de humo.
- Prepare una mochila de evacuación y téngala lista para salir en cualquier momento. Asegúrese de incluir un suministro de medicamentos.
- Conozca el significado de los diferentes niveles de evacuación y tenga un plan para proteger su salud en cada nivell. Los niveles de evacuación del condado de Deschutes pueden encontrarse en CentralOregonFire.org/wildfire-smoke-air-quality-



Visite CentralOregonFire.org para recibir información sobre cómo proteger su salud durante esta temporada de incendios.

Be Prepared This Fire Season



During fire season in Central Oregon, it's important to protect your health from smoke exposure. The following list are things you can do to prepare for periods of wildfire smoke:

- □ Stock up on HEPA filters with a Minimum Efficiency Reporting Value (MERV) of 13 or higher. Put one in your HVAC or build a DIY filter using a HEPA filter and newer (2012 or later) box fan. Visit <u>Deschutes.org/Health/Page/indoor-air-quality-iag</u> for instructions on building a DIY box fan air filter.
- ☐ Create a clean room in your home. Seal windows and doors to prevent outdoor smoke from entering, add an air purifier or DIY box fam filter, and make sure the room is free of particulate causing activities like cooking or frying foods, smoking, vacuuming, burning candles or incense, and using aerosol sprays like air fresheners.
- Get an air purifier and a humidifier if you don't already own one.
- Keep doors and windows of cars and buildings closed to prevent particulate matter from entering.
- Ask a friend or relative if they would be willing to let you stay with them during periods of elevated smoke or in an emergency.
- Sign up for text alerts. Text "COFIRE" to 888-777 to get text alerts about prescribed burns and wildfires in your area. Sign up for emergency alerts at Deschutes Alerts org.
- ☐ Know where to get information about fires in Central Oregon. Visit
 CentralOregonFire.org for information about fires and protecting your health from
- Know where to check the air quality index (AQI) and check it daily to plan your activities around periods of elevated smoke. Visit <u>CentralOregonFire.org</u> for more information about air quality.
- Dial "211" to find out where cleaner air centers are located during periods of elevated smoke.
- Pack an evacuation bag and have it ready for leaving at a moment's notice.
 Make sure to include a supply of medications.
- ☐ Know what evacuation levels mean and have a plan for protecting your health at each level. Deschutes County evacuation levels can be found at CentralOregonFire.org/wildfire.smoke.air-quality-maps:20



Visit <u>CentralOregonFire.org</u> for information about protecting your health this fire season.



Partnerships and Outreach

- Council on Aging of Central Oregon
- Latino Community Association
- Central Oregon Wildfire Education Campaign
- Deschutes Collaborative Forest Project
- OSU Cooperative Extension
- Oregon State Fire Marshal
- Deschutes National Forest
- Discover Your Forest
- Oregon Department of Forestry



Gaps and Opportunities







Thank you

Carissa Heinige

