



LRAPA
Lane Regional Air Protection Agency

Lane Regional Air Protection Agency

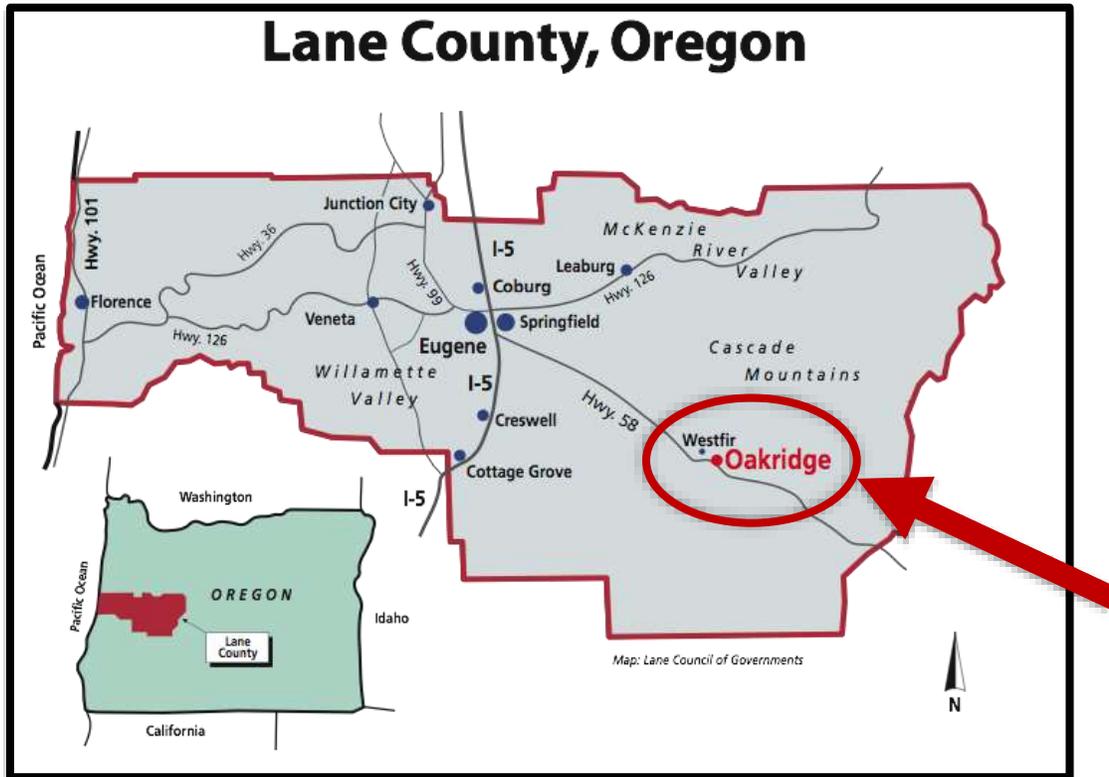
Area Redesignation Requests and Maintenance Plans
for PM_{2.5} and PM₁₀ in Oakridge/Westfir Airshed

Environmental Quality Commission
Nov. 18, 2021



LRAPA
Lane Regional Air Protection Agency

The Oakridge/Westfir Airshed



Good air quality day in Oakridge.



Reduced air quality day in Oakridge.



Clean Air Act & Oakridge/Westfir Airshed

Federal Clean Air Act (CAA)

National Ambient Air Quality Standards (NAAQS)

Carbon monoxide (CO)

Lead (Pb)

Nitrogen dioxide (NO₂)

Ozone (O₃)

Particulate matter (PM₁₀ & PM_{2.5})

Sulfur dioxide (SO₂)

Oakridge/Westfir Airshed

2006

U.S. EPA adopts more protective PM_{2.5} standard.

2009

Airshed designated "nonattainment" for PM_{2.5} during worst winter days.

2016

Oakridge/Westfir airshed achieves PM_{2.5} standard for 2014-2016.

2018

U.S. EPA recognized compliance with PM_{2.5} standard, approves attainment plan.

2021

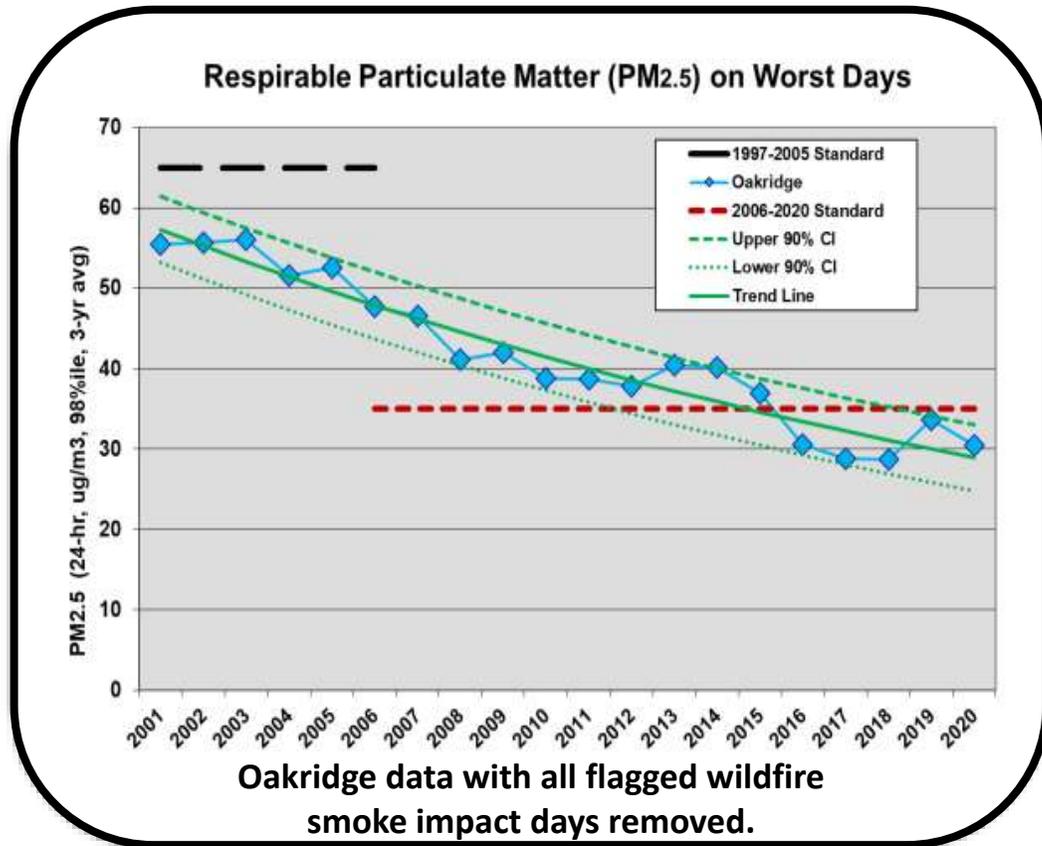
LRAPA adopts redesignation request, maintenance plans, and rule amendments.

2022

Pending EQC approval, submittal to EPA to be published in the Federal Register.



Air Monitoring Data & 2015 Emissions Inventory

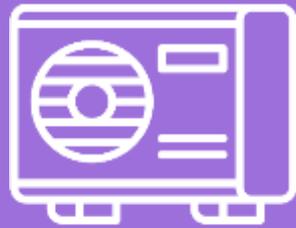


Base Emissions Inventory	Typical Season Day PM _{2.5} Emissions (lb/day)	
	2015	Percentage
<i>Residential Wood Combustion</i>	397.3	84.2%
<i>Onroad Motor Vehicles</i>	17.6	3.7%
<i>Re-Entrained Road Dust</i>	7.1	1.5%
<i>Permitted Point Sources</i>	0.0	0.0%
<i>Railroad Locomotives</i>	2.7	0.6%
<i>Other Area Sources</i>	47.4	10.0%
Total PM_{2.5} Emissions	472	100%



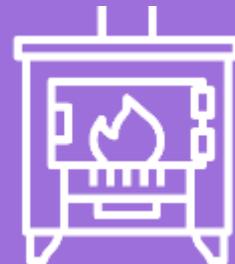
Air quality improvement efforts

Permanent Improvements



Ductless Heat Pump Installation

Provide a secondary form of home heating.



Certified Woodstove Replacements

Efficient woodstoves emit less pollution.



Home Weatherization

Homes retain heat and reduce woodstove use.



Air quality improvement efforts

Operational & Ongoing Efforts



Community Firewood Program

Provide a supply of dry, seasoned firewood.



Public Education

Teach techniques for an efficient fire.



Limits on Smoke Opacity

Ordinance limits smoke density from fires.



Air quality improvement efforts

Episodic
Intervention

Permanent
Improvements



**Woodstove
Curtailment**

Prohibit fires on
poor air quality
days.



**HEPA Air
Filters**

Provide purifiers
to protect indoor
air quality.



Maintenance of NAAQS through 2035

Efforts to maintain
Air Quality Health Standards



**Commitment to Continue
Air Monitoring**



**Verification of Continued
Maintenance Standards**



**Contingency
Plan**



Rulemaking



LRAPA's standing Citizens Advisory Committee provided feedback on the Maintenance Plan at their March 30, 2021, meeting.

The committee includes representatives across Lane County from industry, agriculture, public health, and the general public.

Questions were asked on the impact of wildfires on the airshed's ability to stay in attainment, and attainment work conducted.

No recommendations were made by the Citizens Advisory Committee.



Rulemaking



Both LRAPA and DEQ provided notice by:

- Filing notice with the Oregon Secretary of State.
 - Publication in Oregon Bulletin on Aug. 1, 2021.
- Posting the Notice on LRAPA's website.
- Emailing notice to the EPA.
- Emailing 20,730 interested parties via GovDelivery.
- Emailing 232 stakeholders via LRAPA Rulemaking list.
- Emailing notice to:
 - Senator Peter Courtney
 - Senator Lee Beyer
 - Representative Tina Kotek
 - Representative Pam Marsh
- Emailing advisory committee members.
- Posting to DEQ event calendar.
- Publishing notice in the following newspapers:
 - Register Guard (Eugene) August 1, 2021.
 - Highway 58 Herald (Oakridge) August 1, 2021.



Rulemaking



LRAPA held one public hearing on September 9, 2021, via Zoom. No person presented any oral testimony or written comments at the hearing.

Prior to the September 9, 2021, hearing DEQ authorized LRAPA on behalf of the EQC under OAR 137-001-0030, to act as a Hearings Officer for the public comment process of adopting these proposed plans as revisions to the state of Oregon Clean Air Act Implementation Plan.

DEQ also determined these maintenance plans to be at least as stringent as comparable maintenance plans previously developed by DEQ and adopted by EQC.



Rulemaking



Public comments were accepted from:
August 1, 2021 – September 9, 2021

Two comments were received.
One from DEQ and one from EPA.

LRAPA changed the proposed rules in response to
comments received.



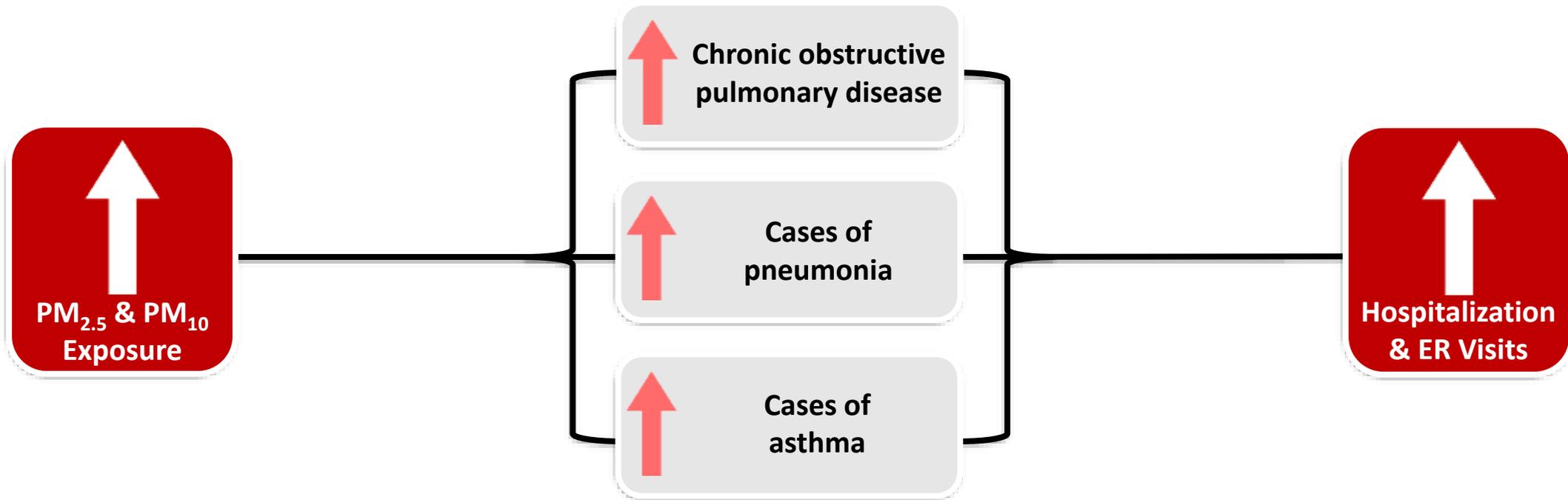
Fiscal Impacts

Potentially Affected Entities

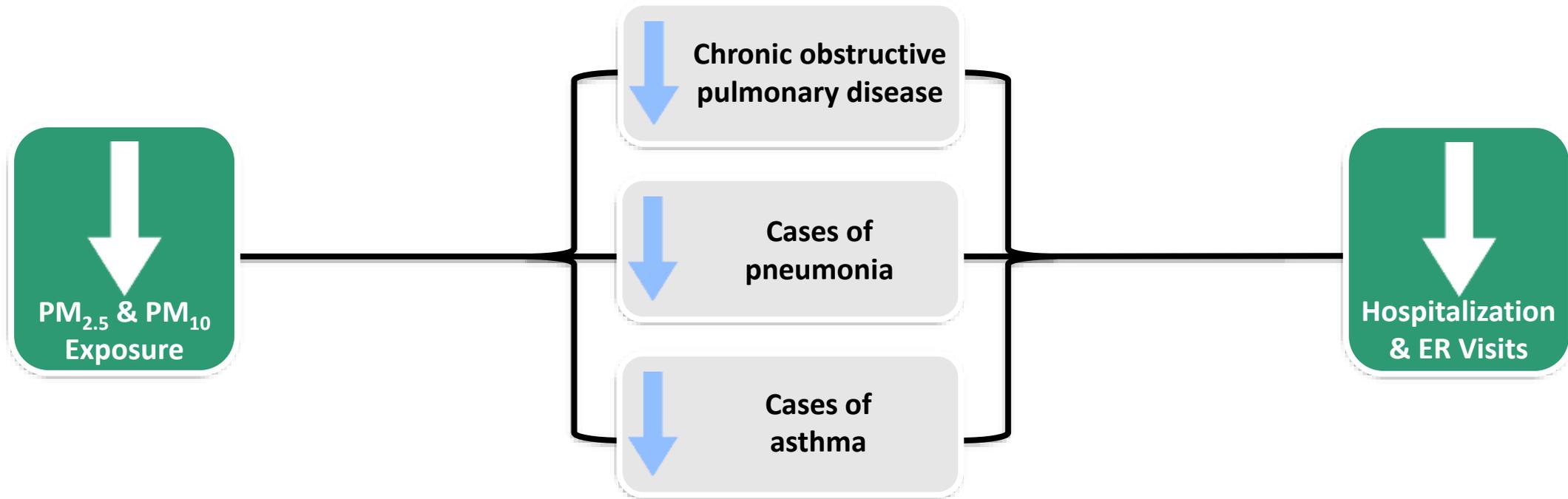
Large Business	Small Business	Public
<p>The proposed rule has no fiscal or economic impact on large businesses.</p> <p>There is no existing major industrial sources within the affected area.</p> <p>These proposed maintenance plans do not impose any new additional costs for new source review.</p>	<p>The proposed rule has no fiscal or economic impact on small businesses.</p> <p>There is one minor LRAPA-permitted source, a rock crusher, located in the area affected by the proposed rules and plan.</p> <p>These proposed maintenance plans do not impose any new additional costs for new source review.</p>	<p>The proposed rule has no direct fiscal or economic impact on the public. However higher heating costs are possible for the community as alternative forms of heating becomes more widely available and adopted by the community.</p> <p>These heating costs vary depending on the alternative heat source used, the number of curtailment days called during the winter heating season.</p>



Public Health Benefits



Public Health Benefits



Recommended Motion

DEQ recommends that the Oregon Environmental Quality Commission:

- Approve the rule revisions seen in Attachments B and C to:
 - Redesignate the Oakridge-Westfir airshed as attainment for the national air quality health standards for fine particles (PM_{2.5}); and include a 10-year maintenance plan to keep air quality within the PM_{2.5} health standards, and
 - Redesignate the Oakridge airshed as attainment for the 24-hour national ambient air quality standards (NAAQS) for coarse inhalable particles (PM₁₀); and include a 10-year maintenance plan to keep air quality within the PM₁₀ health standards.
- Approve incorporating these rule amendments into the Oregon Clean Air Act State Implementation Plan under OAR 340-200-0040; and
- Direct DEQ to submit the Oakridge-Westfir PM_{2.5} Redesignation Request and Maintenance Plan and the Oakridge PM₁₀ Redesignation Request and Maintenance Plan, the City of Oakridge Ordinance No. 920 and Lane County Code 9.120-150 to the U.S. Environmental Protection Agency for approval.





Thank you!



Lane Regional Air Protection Agency
Area Redesignation Requests and Maintenance Plans
for PM_{2.5} and PM₁₀ in Oakridge/Westfir Airshed

Environmental Quality Commission
Thursday, Nov. 18, 2021

