

Smoke Signals

Wildfire Smoke Communication
Lane Regional Air Protection Agency
September 2017



- Home Wood Heating
- Backyard Burning
- Asbestos
- Rules
- Permitting
- File a Complaint



- Air Quality Home
- Today's Current Air Quality
- Data Summary
- Data Graphing
- Monitoring Site Map
- AQI Forecast
- AQI for Last 45 Days
- What is the AQI

Home > Air Quality

Air Quality

Air Quality Home

A description of LRAPA's air monitoring data.

Today's Current Air Quality

The Air Quality Index (AQI) is a forecast, updated hourly, of what the 24 hour average AQI will be for the current day. For current average pollution levels, please click on the "Data Summary" link.

Data Summary

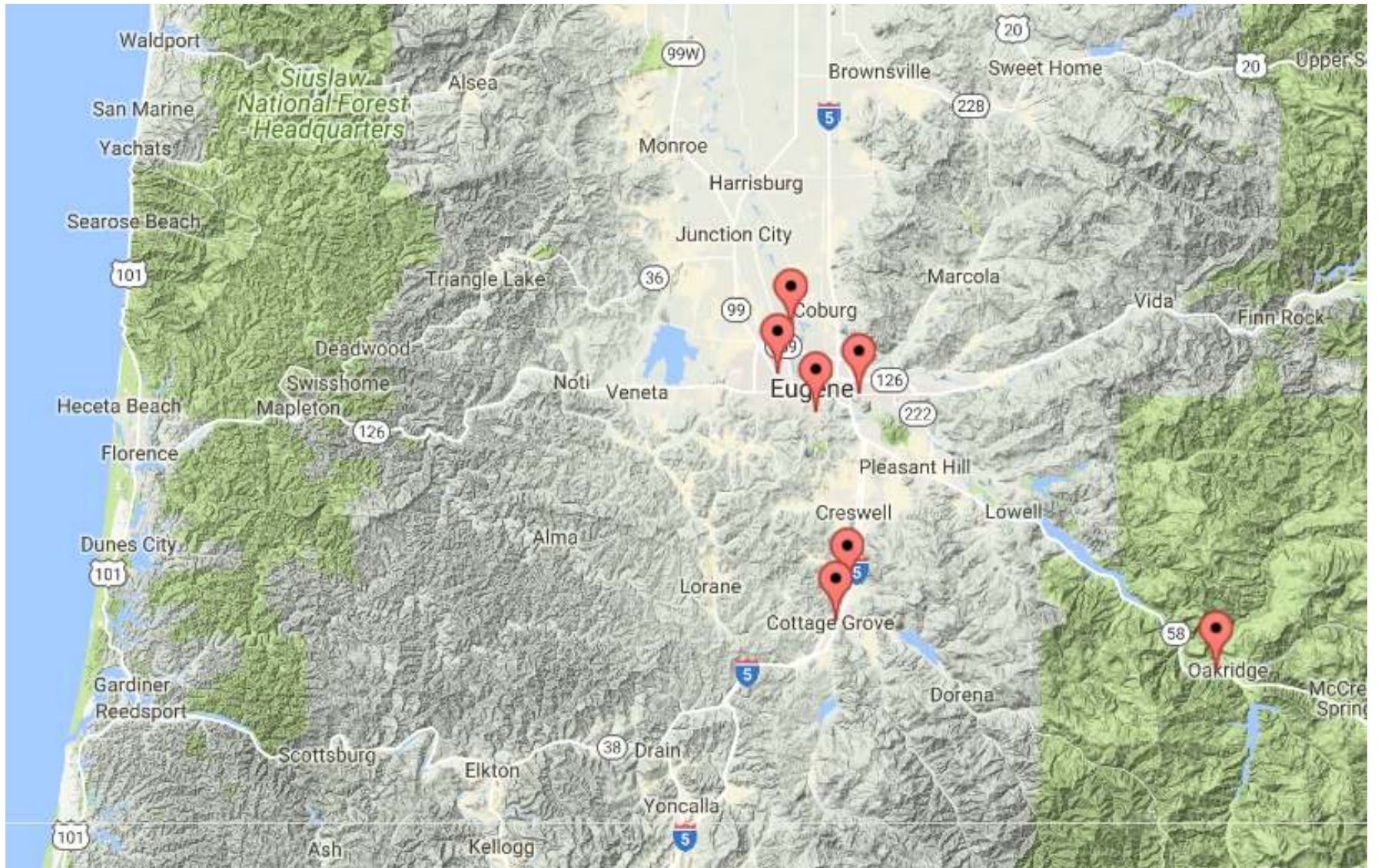
A summary of the last hour of data from LRAPA's monitoring sites.

Data Graphing

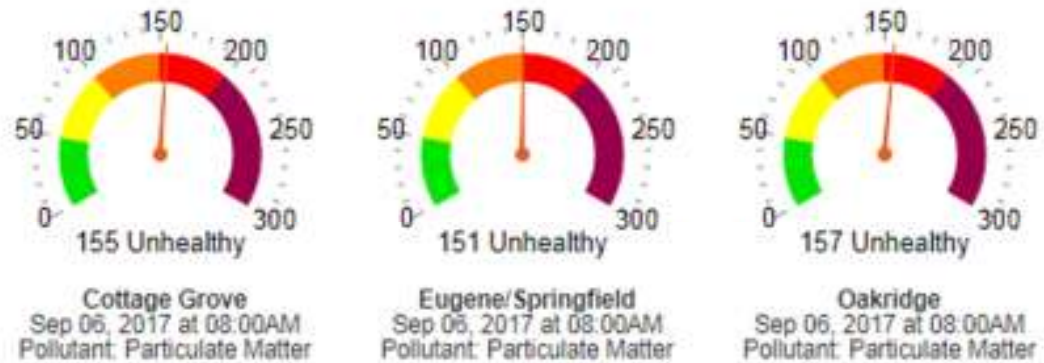
A tool that allows the graphing of hourly data from LRAPA's monitoring sites.

Monitoring Site Map

A map, with clickable links, to LRAPA's air monitoring sites.
















































24 Hour Air Quality Index (AQI)



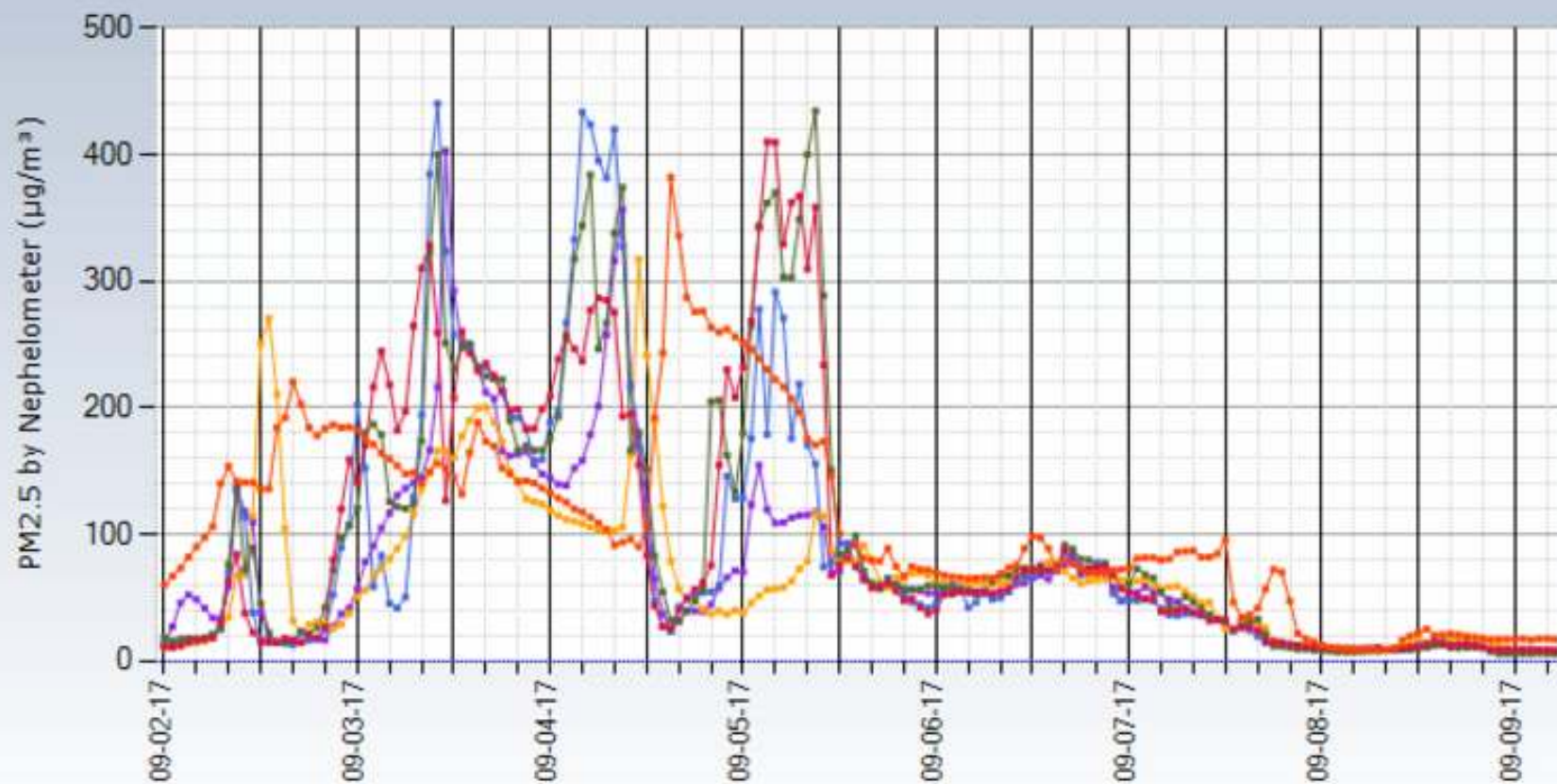
The 24 hour AQI is a prediction of what the 24 hour AQI average will be for the current day.
The prediction is based on a weighted average of the last 12 hours of data, with the most recent hours being weighted more heavily.

AQI for Last 45 Days

Date	Cottage Grove	Eugene/Springfield	Oakridge
09/08/2017	 53 Moderate (Particulate Matter)	 43 Good (Particulate Matter)	 57 Moderate (Particulate Matter)
09/07/2017	 105 Unhealthy (Particulate Matter)	 100 Moderate (Particulate Matter)	 155 Unhealthy (Particulate Matter)
09/06/2017	 156 Unhealthy (Particulate Matter)	 158 Unhealthy (Particulate Matter)	 160 Unhealthy (Particulate Matter)
09/05/2017	 159 Unhealthy (Particulate Matter)	 240 Unhealthy (Particulate Matter)	 198 Unhealthy (Particulate Matter)
09/04/2017	 177 Unhealthy (Particulate Matter)	 239 Unhealthy (Particulate Matter)	 236 Unhealthy (Particulate Matter)
09/03/2017	 191 Unhealthy (Particulate Matter)	 250 Unhealthy (Particulate Matter)	 206 Unhealthy (Particulate Matter)
09/02/2017	 153 Unhealthy (Particulate Matter)	 118 Unhealthy (Particulate Matter)	 197 Unhealthy (Particulate Matter)
09/01/2017	 58 Moderate (Ozone)	 61 Moderate (Ozone)	 166 Unhealthy (Particulate Matter)
08/31/2017	 38 Good (Ozone)	 37 Good (Ozone)	 102 Unhealthy (Particulate Matter)
08/30/2017	 20 Good (Particulate Matter)	 22 Good (Particulate Matter)	 78 Moderate (Particulate Matter)
08/29/2017	 103 Unhealthy (Particulate Matter)	 115 Unhealthy (Particulate Matter)	 166 Unhealthy (Particulate Matter)
08/28/2017	 164 Unhealthy (Particulate Matter)	 174 Unhealthy (Particulate Matter)	 179 Unhealthy (Particulate Matter)
08/27/2017	 152 Unhealthy (Particulate Matter)	 142 Unhealthy (Particulate Matter)	 161 Unhealthy (Particulate Matter)
08/26/2017	 53 Moderate (Particulate Matter)	 49 Good (Ozone)	 110 Unhealthy (Particulate Matter)
08/25/2017	 40 Good (Ozone)	 39 Good (Ozone)	 47 Good (Particulate Matter)

PM2.5 by Nephelometer

Amazon Park - Eugene Highway 99 - Eugene Wilkes Drive - Eugene
CG City Shops - Cottage Grove Springfield City Hall - Springfield Willamette Activity Center - Oakridge



Sep. 9th, 2016 - Sep. 9th, 2017	Unique visits	Visits	Users	Total time spent by visitors (in seconds)	Total time spent by visitors (in minutes)	Total time spent by visitors (in hours)
Year Average	716	1,306	0	255,977	4,266	71
Year Average (Excluding Aug/Sep 2017)	191	238	0	35,086	585	10
Maximum*	31,459	73,346	0	20,916,600	348,610	5,810
Minimum	78	95	0	4,626	77	1
Average Aug\Sep 2017	4,992	10,012	0	2,056,235	34,271	571
Average September 1-9	17,077	36,375	0	7,895,312	131,589	2,193

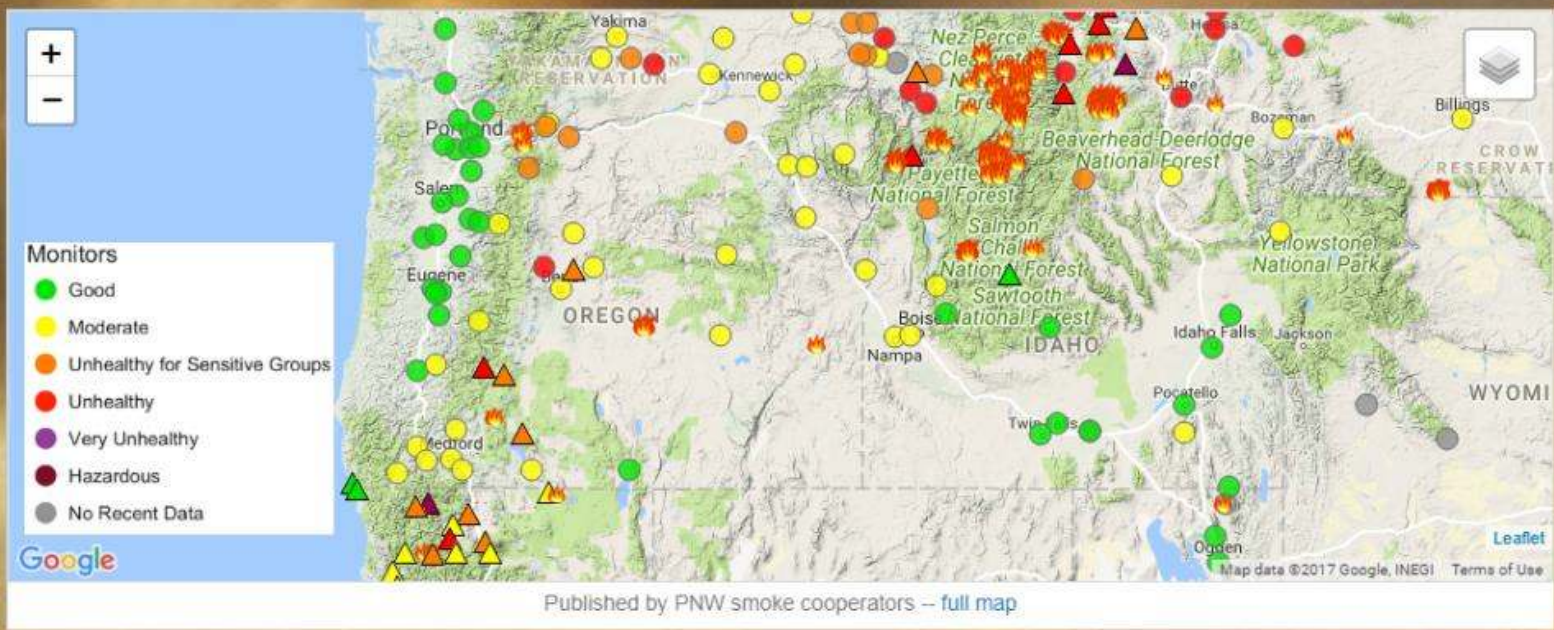
* Max was Sep. 5th.

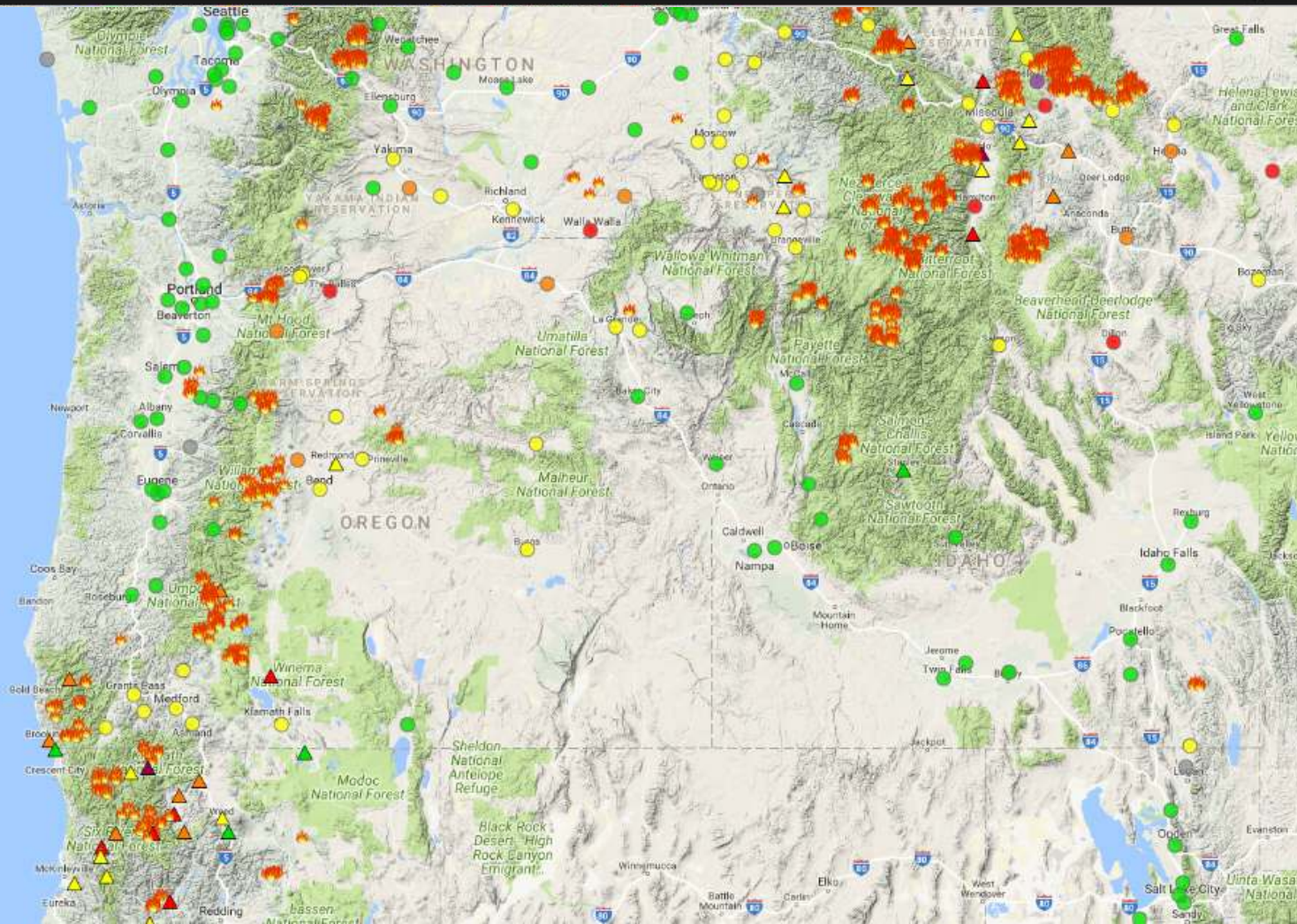
9/1/2017	2,495	4,563	0	582,593	9,710	162
9/2/2017	7,791	15,785	0	3,196,144	53,269	888
9/3/2017	21,339	43,063	0	10,913,008	181,883	3,031
9/4/2017	24,617	54,742	0	13,054,984	217,583	3,626
9/5/2017	31,459	73,346	0	20,916,600	348,610	5,810
9/6/2017	26,173	59,074	0	11,096,421	184,940	3,082
9/7/2017	21,655	48,941	0	9,141,832	152,364	2,539
9/8/2017	11,837	18,575	0	1,586,852	26,448	441
9/9/2017	6,324	9,285	0	569,372	9,490	158

- Normally LRAPA gets 1,306 website visits per day.
- On September 1-9, 2017, we averaged 36,675 daily visits (153x normal).
- On the peak day (September 5, 2017) we had 73,346 daily visits (308x normal).
- Converting the raw time data into hours, the LRAPA website is normally used 9.7 hours per day.
- On September 1-9, 2017, we averaged 2,193 hours (225x normal).
- On September 5, 2017, our website was used 5,810 hours (596x normal).

Oregon Smoke Information

This site is an effort by many city, county, tribal, state and federal agencies to coordinate and aggregate information for Oregon communities affected by wildfire smoke. The information is posted here by the agencies themselves while volunteers built and are maintaining the page.





Monitors

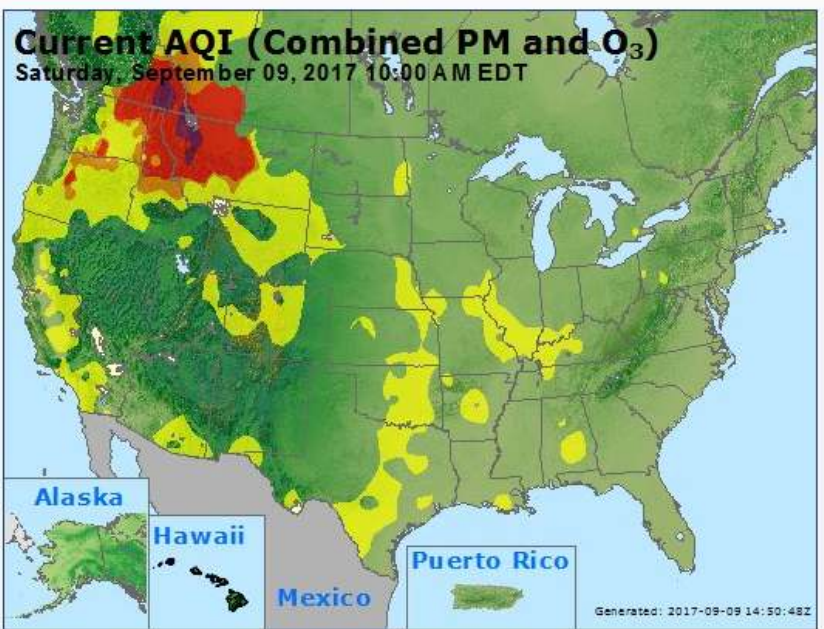
- Good
- Moderate
- Unhealthy for Sensitive Groups
- Unhealthy
- Very Unhealthy
- Hazardous
- No Recent Data



Search...

Local Air Quality Conditions
Zip Code: State: [My Current Location](#)

- Current AQI**
- Forecast
- AQI Loop
- More Maps



Good **Moderate** **USG** **Unhealthy** **Very Unhealthy** **Hazardous** ! Action Day

Fires: Current Conditions

[Click to see map](#)
 U.S. Embassies and Consulates
Data from air quality monitors at select U.S. embassies and consulates around the world

Announcements
2017 National Air Quality Conference to be Rescheduled
Due to the ongoing impacts of Hurricane Harvey in Texas, EPA will **reschedule** the National Air Quality Conference originally slated for Sept. 11-13, 2017 in Austin. We will post updates to this website once we have a new conference date.
[more announcements](#)

Air Quality Basics
[Air Quality Index](#) | [Ozone](#) | [Particle Pollution](#) | [Smoke from fires](#) | [What You Can Do](#)

Health

Learning Center

EnviroFlash Email



Earth System Research Laboratory

High Resolution Rapid Refresh (HRRR)

Earth Modeling Branch (EMB)

Projects [GO Home](#) [ESRL Home](#)

[HRRR Home Info Page](#)

Current and forecast Graphics

- Operational NCEP HRRR:**
 - [NCEP HRRR CONUS Hourly](#)
 - [NCEP HRRR CONUS Subhourly](#)
 - [Experimental HRRR Products:](#)
- Deterministic:**
 - [HRRR CONUS Hourly](#)
 - [HRRR CONUS Subhourly](#)
 - [HRRR CONUS Smoke](#)
 - [HRRR Alaska](#)
 - [HRRR Alaska Smoke](#)
 - [HRRR Hawaii](#)
 - [HRRR Caribbean](#)
 - [HRRR Pacific 140m West](#)
 - [HRRR Soundings](#)
 - [HRRR Reanalysis Fields](#)
 - [HRRR Aviation Fields Hourly](#)
 - [HRRR Aviation Fields Sub-hourly](#)
- Ensemble/Probabilistic:**
 - [HRRR \(HRRR Ensemble\)](#)
 - [HRRR Control Member](#)
 - [HRRR-TLS \(Time-Lagged Anal\)](#)
- Analysis/Nowcast:**
 - [HRRR RTMA](#)
 - [HRRR RTMA subhourly](#)
 - [HRRR 3D-RTMA \(SWA\)](#)
- Other NOAA HRRR graphics:**
 - [Operational HRRR from NCEP](#)
 - [Operational HRRR from SPC](#)

HRRR Configuration Info

- [CONUS-HRRR domain permits](#)
- [HRRR main page introduction](#)
- [\(NCEP-953 WG\)](#)
- [WRF-HRRR domain](#)
- [CONUS-HRRR domain info](#)
- [HRRR WRF Namelist](#)
- [HRRR WRF Namelist](#)
- [HRRR GRIB2 Table 2-D hourly](#)
- [HRRR GRIB2 Table 2-D 15 min](#)
- [HRRR GRIB2 Table Native](#)
- [HRRR GRIB2 Table Press](#)
- [HRRR-TLS GRIB2 Table](#)
- [HRRR-NCEP GRIB2 Table 2-D hourly](#)
- [HRRR-NCEP GRIB2 Table 2-D 15 min](#)
- [HRRR-NCEP GRIB2 Table Native](#)
- [HRRR-NCEP GRIB2 Table Press](#)
- [HRRR-RAP diagnosis of control data](#)
- [Rapid Refresh web page](#)

HRRR

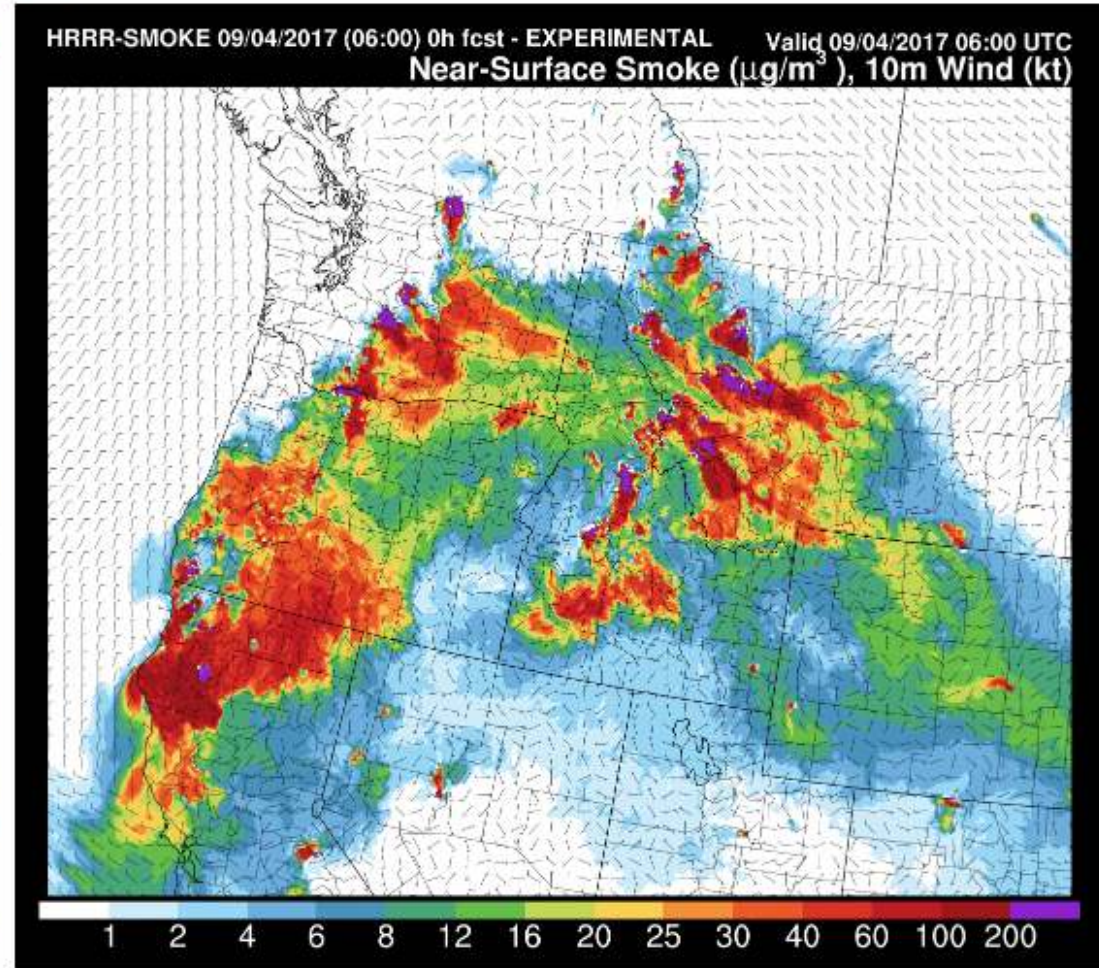
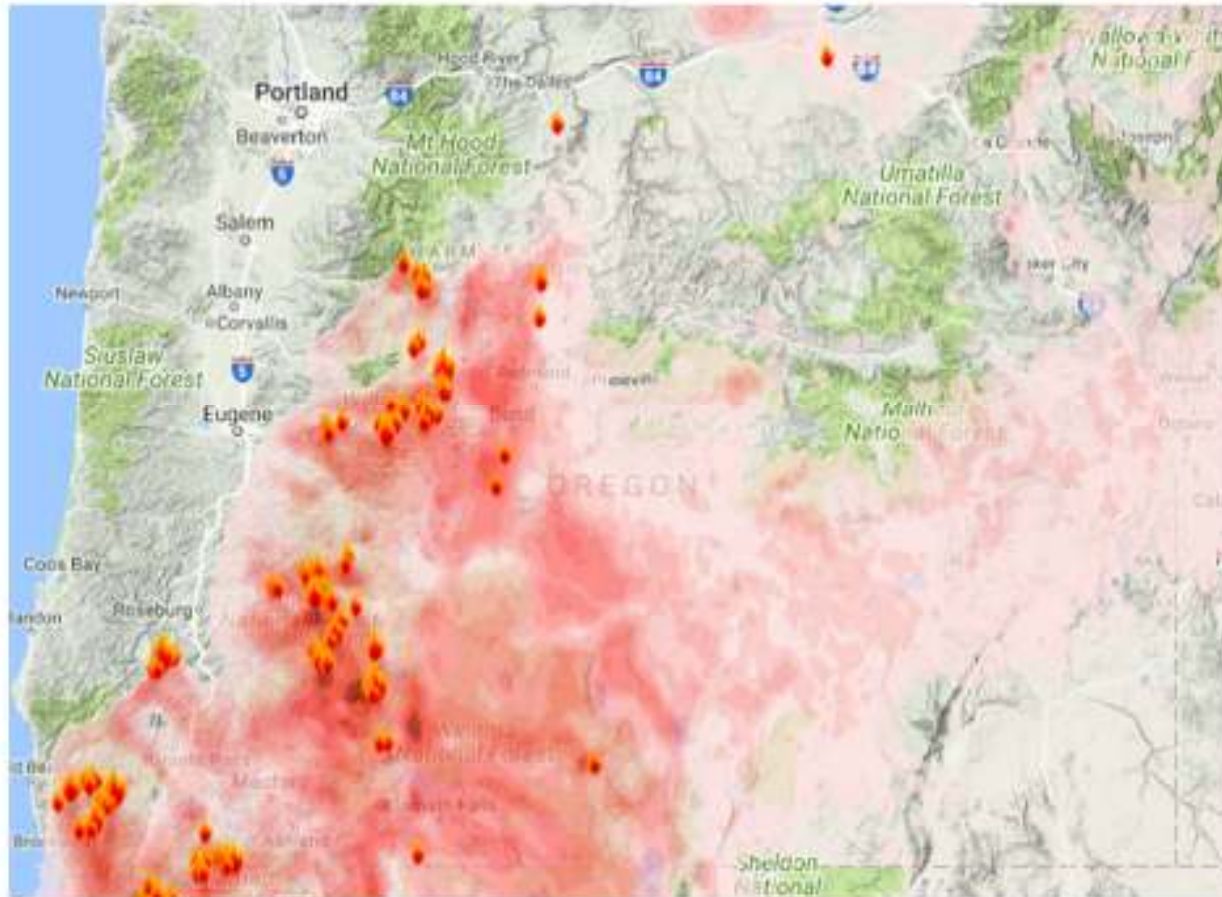


Figure 1. Model-predicted 24-hour average smoke concentrations for Thursday Aug. 31, 2017





Tweets 4,308 Following 281 Followers 671 Likes 903 Moments 0

Edit profile

LRAPA

@LaneRegionalAir

We like clean air in Lane County!

Springfield, OR

lrapa.org

Joined November 2013



Tweets Tweets & replies Media

You Retweeted

OR Smoke Blog @ORSmokeBlog · 18h
Normally it's the smoke making our eyes water, but this is making us a bit misty-eyed and we couldn't help but share.

WillametteNatForest @willametteNF
Found at Broken Top: Mens wedding ring. Help us harness the power of social media to find its owner! @DesNatForest

LRAPA @LaneRegionalAir · 19h

OAKRIDGE!
The deadline for Homewood Heating Exemption Applications is **Sept 29th**.

Your Tweet activity

Your Tweets earned 2,297 impressions over the last 24 hours



View your top Tweets

Who to follow

- Thomas Adams** @Tadams... Follow
- David Walker** @davidwalk... Follow

LRAPA @LaneRegionalAir · Sep 4



LRAPA @LaneRegionalAir · Sep 4

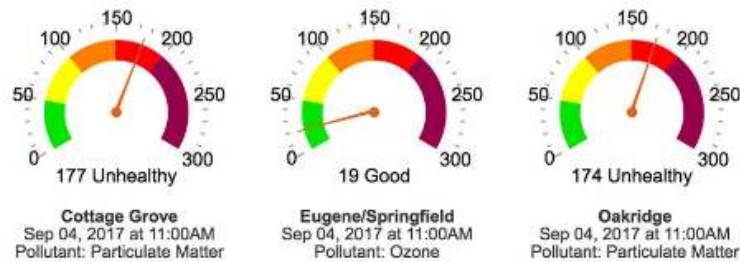
We will be posting Eugene/Springfield AQI updates manually until we are able to fix our widgets. Thank you for your patience!

The AQI for Eugene/Springfield is Incorrect

We are working to resolve the malfunction

It is currently in the 250 -300 range

24 Hour Air Quality Index (AQI)



The 24 hour AQI is a prediction of what the 24 hour AQI average will be for the current day.

1 5 7





Lane Regional Air Protection Agency
Create Page @Username

- Home
- About
- Photos
- Reviews
- Events
- Videos
- Notes
- Join My List
- Posts
- Services
- Shop
- Groups



Liked Following Share

+ Add a Button

Write something...



Share a photo or video



Advertise your business



Get phone calls



Get messages



Create a link



Help people find



Post an event



Create an offer

Government Organization in Springfield, Oregon

4.2 stars · Open Now

Page Tips See All

How to Create Effective Posts
Short, visual posts created for the right audience are more successful.

Creates a Username for Your Page That's Easy to Remember
A username helps people find and remember your Page.

Lane Regional Air Protection Agency
Published by Lane Smith · September 8 at 8:10am

We're GOOD!

Verizon 7:17 AM irapa.org

24 Hour Air Quality Index (AQI)

Cottage Grove
Sep 08, 2017 at 06:00AM
Pollutant: Particulate Matter

Eugene/Springfield
Sep 08, 2017 at 06:00AM
Pollutant: Particulate Matter

Reach Your Post's Next Milestone
Your post "We're GOOD!" is close to 200 likes. Boost it to reach more people.

6,740 people reached [Boost Post](#)

Like Comment Share

Rebecca Childers, Davekate Morales and 241 others [Top Comments](#)

50 Shares

Lane Regional Air Protection Agency
Published by Jo Niehaus · September 5 at 8:50am

What do Idaho and Oregon have in common? Topping the national charts for air pollution.

Current AQI (Combined PM and O₃)
Tuesday, September 05, 2017 11:00 AM EDT

Alaska Hawaii Mexico Puerto Rico

Good Moderate Unhealthy Unhealthy Very Unhealthy Hazardous ! Action Day

Highest 5:
[About the Highest 5](#)

Current AQI	Today's Forecasts	Tomorrow's Forecasts
St. Maries_ID		
Coeur d'Alene Reservation_ID		
Pinehurst_ID		
Eugene/Springfield_OR		
Moscow_ID		

Note: Values above 300 are considered Beyond the AQI. Follow recommendations for the Hazardous category. Additional information on reducing exposure to extremely high levels of particulate pollution is available [here](#).

4,307 people reached [Boost Post](#)

Like Comment Share

35 [Top Comments](#)

50 Shares

Lane Regional Air Protection Agency added 2 new photos.
Published by Jo Niehaus · September 4 at 8:00pm

1st photo: looking towards I-5 from Austen footbridge. Clear photo about a year ago. Smoky photo yesterday.

2nd photo: I-105 from Greenway Bridge. Clear photo from January 2017, smoky photo yesterday.

Photo credit: David Geitgey Sierralupe ... [See More](#)

8,776 people reached [Boost Post](#)

Like Comment Share

Kathy Sterbank, Margot Yapp and 59 others [Top Comments](#)

83 Shares

Write a comment...

Judy Hamilton Wow, hard to believe same place.....the heat intensifies it, I would think that would be dangerous for kids & adults breathing it, & animals too!
Like · Reply · Message · September 5 at 8:52am

Donna Boyd Stay safe! This is terrible!
Like · Reply · Message · September 5 at 1:53pm

[View 2 more comments](#)



MOST HELPFUL | MOST RECENT | STAR RATING

Adonna Roelke reviewed Lane Regional Air Protection Agency — **5** ★
September 5 at 11:08am · 🌐

LRAPA went above the call of duty on Labor Day weekend, by posting updates despite the holiday closure. Thanks for keeping your community informed!

Like Comment Share

Lane Regional Air Protection Agency, Maria Alisa and Angi Marie

Write a comment...

Mimi Detaille reviewed Lane Regional Air Protection Agency — **5** ★
September 4 at 4:50pm · 🌐

MERCI for all your work, in days like this it help a lot to know the good you do ,
Merci encore

Like Comment Share

Lane Regional Air Protection Agency

Write a comment...

Julie Hynes reviewed Lane Regional Air Protection Agency — **5** ★
September 4 at 6:11pm · 🌐

Thanks for working hard to keep the community well informed and safe!

Like Comment Share

Lane Regional Air Protection Agency and Greg Kenady

Write a comment...

Susan Gallagher-Smith EA reviewed Lane Regional Air Protection Agency — **5** ★
September 4 at 3:21pm · 🌐

Thank you for working hard for all the residents of Lane County.

Like Comment Share



LRAPA

Lane Regional Air Protection Agency