

Episode 56EV June 6, 2023. Wildfire smoke on the East Coast and Midwest of the U S, from Canadian Wildfires.

United States

[Breathing in wildfire smoke comparable to smoking 3 to 11 cigarettes a day | WSTM](#)

CNY Central
PM 2.5 is what we use to measure the concentration of wildfire particulate matter in the atmosphere. After further studies, 22 micrograms of PM 2.5 ...

[DOE launches \\$4M effort to modernize wood heating | Biomassmagazine.com](#)

Biomass Magazine
Although biomass is a renewable energy source, outdated and inefficient wood heating appliances create particulate matter (PM) emissions.

California, San Joaquin Valley

<https://www.nytimes.com/2023/06/01/magazine/fresno-politics-poverty.html>

In California's Heartland, a New Resistance Movement Is Taking Root
How do you change a place as polluted and desperately unequal as the San Joaquin Valley?
Fresno, Calif., the state's fifth-largest city, is part of a region marked by some of the worst poverty in America.
The New York Times.
June 4, 2023.

Driving down the last steep grade of Tejon Pass, you come upon a fold in the earth of middle California where the tentacles of Los Angeles end and a new place begins. If you've never made the trip, the crossing is one of the true demarcations in the American landscape, the West's Mason-Dixon line, though you won't discern it at first because the plain below hides under a cover of soot and smog.
Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates.
The one thing Northside and Southside share, and it is no trivial feature, is air that is often ranked as the most polluted in the nation. But there's a difference in this too. The lawyers, doctors, developers, nut growers and pesticide dealers have second homes along the coast, in Carmel and Pebble Beach and Morro Bay, to restore their sinuses and lungs. The farmworkers sit on their lawn chairs after picking the valley's endless harvest and watch the poison-specked sunset turn the most glorious pink, orange and purple.

Connecticut

[Poor air quality expected Tuesday due to Canadian wildfires - NBC Connecticut](#)

NBC Connecticut
People can expect hazy skies, reduced visibility and a burning wood odor as smoke spreads over the region, according to the EPA.
Florida, Daytona Beach

[Mark Lane: 25 years ago, a summer lost to wildfire in Palm Coast - Daytona Beach News-Journal](#)

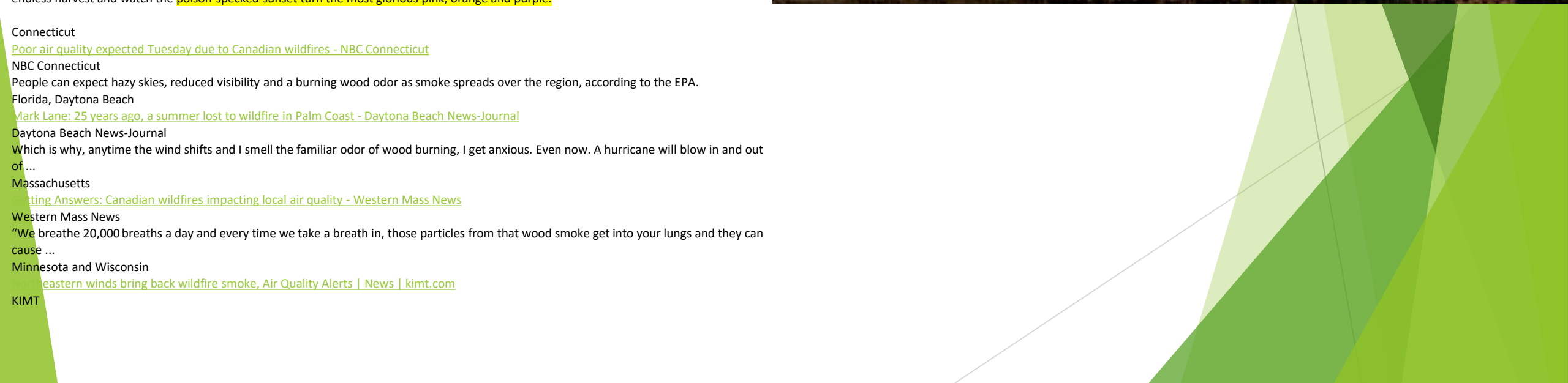
Daytona Beach News-Journal
Which is why, anytime the wind shifts and I smell the familiar odor of wood burning, I get anxious. Even now. A hurricane will blow in and out of ...

Massachusetts
[Outletting Answers: Canadian wildfires impacting local air quality - Western Mass News](#)

Western Mass News
"We breathe 20,000 breaths a day and every time we take a breath in, those particles from that wood smoke get into your lungs and they can cause ...

Minnesota and Wisconsin
[Western winds bring back wildfire smoke, Air Quality Alerts | News | kimt.com](#)

KIMT



This smoke, usually far up in the atmosphere, has made it to the surface and is impacting our air. air quality colors 6/4/2023. The

Minnesota, Albert Lea

[Air quality alert in effect through Tuesday evening - Albert Lea Tribune](#)

Albert Lea Tribune

... such as outdoor burning and use of residential wood burning devices. Keep windows closed overnight to prevent smoke from getting indoors.

New York

[Air Quality Health Advisory Issued for Adirondacks, Eastern Lake Ontario, Central New York ...](#)

New York State Department of Environmental Conservation

Fine particulate matter consists of tiny solid particles or liquid droplets in the air that are 2.5 microns or less in diameter. PM 2.5 can be ...

New York, Bennington

[Air quality alert expected to end for Bennington County, state | Health](#)

Bennington Banner

That means that fine particulate concentrations within the region may ... Exposure to elevated levels of fine particles such as wood smoke can ...

New York, Kingston

[Kingston Air Quality Initiative at Bard College Reports After Three Years of Monitoring](#)

Bard College

PM 2.5 particles are so tiny, they stay suspended in the air for long periods of time, allowing them to travel long distances before depositing.

New York, New York City

[Unhealthy air quality grips New York City as wildfire smoke shrouds skyline - Yahoo News](#)

Yahoo News

"Exposure to elevated levels of fine particles such as wood smoke can increase the likelihood of respiratory symptoms in sensitive individuals and ...

New York, Riverhead

[Haze, smoke from Quebec wildfires expected today, prompting air quality health advisory for ...](#)

RiverheadLOCAL

The pollutant of concern today is fine particulate matter. ... "PM 2.5 can be made of many different types of particles and often come from ...

New York, Rochester

[Tips to reduce smoke exposure indoors during Rochester's air-quality alert](#)

Democrat and Chronicle

Avoid activities that create more fine particles indoors: using gas, propane or wood-burning stoves and furnaces; spraying aerosol products; ...

New York, Syracuse

[Editorial: Dirty air a problem | Opinion | pressrepublican.com](#)

Press-Republican

"Fine particulate matter consists of tiny solid particles or liquid droplets in the air that are 2.5 microns or less in diameter. PM 2.5 can be ...

Editorial: Dirty air a problem

June 5, 2023.

Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates.

Have you noticed your eyes may be irritated, throat scratchy, nose running and short of breath lately? You're not alone.

the state issued an Air Quality Advisory for the Adirondacks and other regions of the state on Monday until midnight.

According to the state Department of Environmental Conservation, the pollutant of concern is: Fine Particulate Matter.



“Fine particulate matter consists of tiny solid particles or liquid droplets in the air that are 2.5 microns (or micrometers). PM 2.5 can be made of many different types of particles and often come from processes that involve combustion (fires). Short-term health effects such as irritation to the eyes, nose, and throat, coughing, sneezing, runny nose, and shortness of breath. Exposure to elevated levels of fine particulate matter can also worsen medical conditions such as asthma and heart disease. “When outdoor levels are elevated, going indoors may reduce exposure. Ways to reduce exposure are to minimize outdoor and indoor sources and avoid strenuous activities in areas where fine particle concentrations are high.” Purchase and install energy efficient lighting and appliances with the Energy Star label; and reduce or **eliminate outdoor** burning and attempt to minimize indoor sources of PM 2.5 such as smoking. Information on PM 2.5 is available on DEC’s website and on DOH’s website. We live in one of the most beautiful places in the world. It is a shame it has to be polluted with elements that most likely are not generated here. But we can certainly do our part to help alleviate the threat.

New York, Utica

[Dry weather, open burning formula for brush fires in Mohawk Valley - Utica Observer Dispatch](#)

Utica Observer Dispatch

Fires to burn yard waste are the common cause of brush fires in New York ... untreated and unpainted wood may be burned in campfires and bonfires, ...

April showers bring May flowers; dry Mays bring brush fires, including in Forestport

Observer-Dispatch

Excerpts edited by RAWSEP for brevity and clarity and relationship to Residents Against Wood Smoke Emission Particulates.

A brush fire that [charred eight acres in Forestport last week](#) was likely a sign of the region’s strangely rain-less May.

It was the 10th driest May on record in the Syracuse area, the driest ever in the Binghamton area and the third driest ever in the Scranton area, according to National Weather Service data.

Ohio

[Air Quality Alert issued today for parts of region due to Canadian wild fire smoke - WHIO TV](#)

WHIO TV

... into the Miami Valley Regional resulting in high PM 2.5 levels. ... By refueling after 8:00 p.m. when it's cooler, smog doesn't form as easily ...

Ohio, Champion Township

[Trumbull County crews fighting 10 acres of burning woods - WKBN.com](#)

WKBN.com

... various Trumbull County fire departments and medical personnel are working to put out 10 acres of burning woods, as well as another 40 burn ...

Trumbull County crews fight large fire deep in the woods

Jun 5, 2023

CHAMPION TWP., Ohio (WKBN) — The Ohio Division of Forestry is reminding people to be careful burning outdoors just one day after crews battled a large brushfire in Champion Township.

“You should always be careful when you’re burning anything outside,” said David Parrott, program administrator for the Ohio Division of Forestry.

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The fire triggered a large response as crews went deep into the woods to get to work containing it. New drone video from the Trumbull County Emergency Management Agency shows a direct bird’s eye view of Sunday’s large brushfire off Nezbar Drive. The Champion Township Fire Chief says it burned an estimated 70 acres. “While we were extinguishing that fire, we did find a little campsite that was set up in the middle of the operation.. [Don’t bring firewood to campsites: Here’s why](#). The fire was deep in the woods. With the terrain and wetlands, it was a little bit challenging to get to, but fire departments used some technology to help assist in their firefighting efforts. Through the use of the EMA office drone and its infrared technology, firefighters were able to get a better picture of how large the fire was and where to target their efforts. “Once it got dark, we were able to use the infrared technology and see if there was any free-burning areas still. With the dry stretch of weather expected to continue this week, officials are concerned about the enhanced fire risk. Parrott says when it comes to outdoor fires, you should check with your local fire department for



recommendations and make sure any fire is at least 100 feet away from wooded areas. The fire in Champion Township has since been contained, but crews will continue to monitor the area as a precaution.

Ohio, Dayton

[Air Quality Alert issued for Tuesday due to Canadian wildfire smoke - Dayton Daily News](#)

Dayton Daily News

Smoke from Canadian Wildfires is settling into the Miami Valley Region resulting in high PM 2.5 levels. The Air Quality Index (AQI) forecast is ...

Ohio, Miami Valley

['It is kind of smoky outside;' Air Quality Alert issued for parts of region Tuesday - Yahoo News](#)

Yahoo News

Mon, June 5, 2023 at 8:34 PM PDT · 3 min read ... Canadian Wildfires is settling into the Miami Valley Regional resulting in high PM 2.5 levels.

Pennsylvania

[Air quality in central Pa. turns dangerous, with smoke from Canadian wildfires contributing](#)

Penn Live

The main driver of the poor air quality is PM 2.5 particles, which are tiny particles in the air that can come from sources including vehicle ...

Rhode Island

[RI issues alert for bad air as more smoke flows in from Canada - The Providence Journal](#)

The Providence Journal

... large wildfires in Quebec that have been burning since the weekend," the DEM said. ... you will smell wood burning with reduced visibility.

[Rhode Island's air quality to be impacted by wildfires in Canada - ABC6](#)

ABC6

Darren Austin, who's with the DEM, said the heaviest of smoke is ... in the form of wood burning odors, haze, and unhealthy fine particles.

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Nova Scotia In this aerial image, an aircraft, center, flies near a wildfire burning near Barrington Lake in Shelburne County, Nova Scotia, on Wednesday, May 31, 2023.

PROVIDENCE, R.I. (WLNE) — The Rhode Island Department of Environment Management said Monday another significant smoke event in Canada will be impacting the state's air quality. The Department of Environmental Management said Monday that an Air Quality Alert is being issued for unhealthy fine particles on the Air Quality Index. The heaviest of the smoke is expected to affect the area Tuesday morning in the form of wood burning odors, haze, and unhealthy fine particles. It's expected to last through the day. He said unlike the [previous Nova Scotia smoke event](#), which lasted almost four hours, this event is predicted to last longer and be more impactful. Austin said [large uncontrolled wildfires near Quebec have been burning over the weekend and continue to burn](#). He added that a significant smoke plume is impacting air quality monitors to our north and west. Some of that smoke, he said, is supposed to affect the area after sunset Monday. Anyone with preexisting medical conditions should stay inside with windows closed. Those outside are encouraged to wear N95 masks to reduce exposure to pollutants in smoke plumes.

For more information about DEM's air quality forecast, visit [dem.ri.gov](#). For the U.S. Environmental Protection Agency's current air quality readings in your area, visit [fire.airnow.gov](#).

South Carolina, Myrtle Beach

[Smoke plume of wildfire smoke from Canada once again impacting parts of US - WPDE](#)

WPDE

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South Carolina, Myrtle Beach

[Thick plume of wildfire smoke from Canada once again impacting parts of US - WPDE](#)

WPDE

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Wisconsin, Racine

[Air Quality Alert extended until midnight on June 5 | Racine County Eye](#)

Racine County Eye

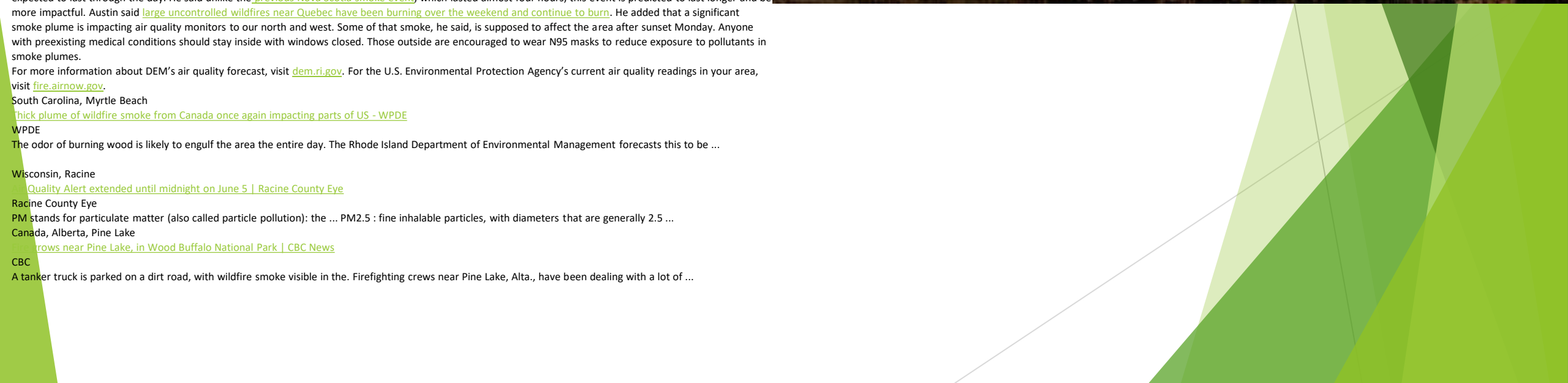
PM stands for particulate matter (also called particle pollution): the ... PM2.5 : fine inhalable particles, with diameters that are generally 2.5 ...

Canada, Alberta, Pine Lake

[Smoke plumes near Pine Lake, in Wood Buffalo National Park | CBC News](#)

CBC

A tanker truck is parked on a dirt road, with wildfire smoke visible in the. Firefighting crews near Pine Lake, Alta., have been dealing with a lot of ...



Canada, Ontario, Pembroke

[Environment Canada issues special air quality statement due to wildfire smoke - Pembroke Today](#)

Pembroke Today

Smoke from the Centennial Lake and Quebec forest fires has sparked Environment ... burning incense and candles, frying foods, using wood stoves, ..

Canada, Ontario, Penetanguishene.

Meals on Wheels

[Free safety inspections on the menu for local Meals on Wheels users - Yahoo Sports](#)

Yahoo Sports

... departments can complete visual inspections of wood-burning appliances ... And while the fire departments don't sell smoke or carbon monoxide

Free safety inspections on the menu for local Meals on Wheels users

Local Journalism Initiative

June 5, 2023.

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Penetanguishene and Midland residents who qualify for the Meals on Wheels program through the Canadian Red Cross are being offered free home fire safety inspections by local fire departments.

Meals on Wheels is a food delivery service program of healthy, nutritious, delicious, and affordable meals for community members unable to prepare their own food, allowing further independence to participants. A recent partnership between the Red Cross and the joint municipal fire departments for Penetanguishene and Midland intends to extend fire safety to residents in those municipalities using the food delivery program. "We believe this is a great opportunity for both departments to share valuable life-saving information," said the firefighter/fire prevention inspector of Penetanguishene Fire and Emergency Services. Clients registered for Meals on Wheels will be asked by the Red Cross if they are interested in being part of the fire prevention program, and if the fire department has permission to attend their home during a food delivery to complete the inspection. "The benefits of this program," Bonnin explained, "are that residents who agree to participate can receive a complimentary life safety device (either a smoke or carbon monoxide alarm); they will also receive a home fire safety inspection to identify any potential hazards in the home." Bonnin said the collaboration has no set end date currently and will run as long as new residents join the program. Additionally, Bonnin expressed that everyone can benefit from what the fire departments are offering, as the joint fire departments do not charge for a requested single-family home fire safety inspection. "Both departments encourage any resident who would like a home fire safety inspection to contact their local fire department," said Bonnin, saying interested parties should ask to speak with the fire prevention officer. However, Bonnin noted that neither the **Penetanguishene nor Midland fire departments can complete visual inspections of wood-burning appliances (WETT inspections)** or inspections of fuel-fired appliances. And while the fire departments don't sell smoke or carbon monoxide alarms, Bonnin stated that information can be provided on which devices are recommended and where their placement in the home is required. For further information on the joint Penetanguishene and Midland fire department safety inspection program, contact the municipal fire departments or visit their municipal websites. For more information on the Canadian Red Cross Meals on Wheels program, visit the website of the Simcoe Muskoka branch.

India, Delhi

[30% dip in Delhi's PM-2.5 and PM-10 levels in 7 years: Kejriwal - The Statesman](#)

The Statesman

... Chief Minister Arvind Kejriwal on Monday announced that the levels of PM-2.5 and PM-10 pollutants in Delhi have witnessed a remarkable 30 per ...

[Association between ambient air pollutants and upper respiratory tract infection and ...](#)

BMC Infectious Diseases - BioMed Central

This was used to evaluate the effects past concentrations of fine particulate matter (PM2.5), sulphur dioxide (SO2), and carbon monoxide (CO) and ...

