

June 11, 2022, RAWSEP news paraphrased

Top of the News Australia, and Hand-held Thermal Imaging Cameras

Australia

RAWSEP View: June 2022, Canberra ACT Legislature passed law for Australian Capital Territory (ACT), Canberra. Trial free handouts of residential electrical heating units to replace wood stoves. Previously, when electrical units were purchased to replace wood stoves, the residents were later reimbursed a portion of the cost of replacement of wood burning stoves. Assembly Member Johnathan Davis introduced the law which will give only low-income households cleaner heaters. This is a trial, and is considered economical because means tests will be used, and only those who wish to replace wood stoves will be given the new electrical units. The Tuggeranong area was discussed as the example of the most air-polluted in Canberra, which most needs to replace wood stoves in order to lower the level of Particulate Matter of 2.5 micron size in the air, to lower PM 2.5. Wood smoke consist of 90% PM 2.5. Johnathan Davis of the Green Party was sponsor of the bill, but assembly members of all parties, another Green member, a Liberal member and a Conservative Member all spoke approving of the bill, before the affirmative vote. The issues discussed would be of interest to any person interested in arguing for clean air versus wood burning. Assembly video Minute 47 to minute 1.30 <https://www.johnathandavismla.com/newsroom/new-wood-heater-replacement-program-to-make-the-transition-more-accessible> <https://greens.org.au/act/news/new-wood-heater-replacement-program-make-transition-more-accessible>

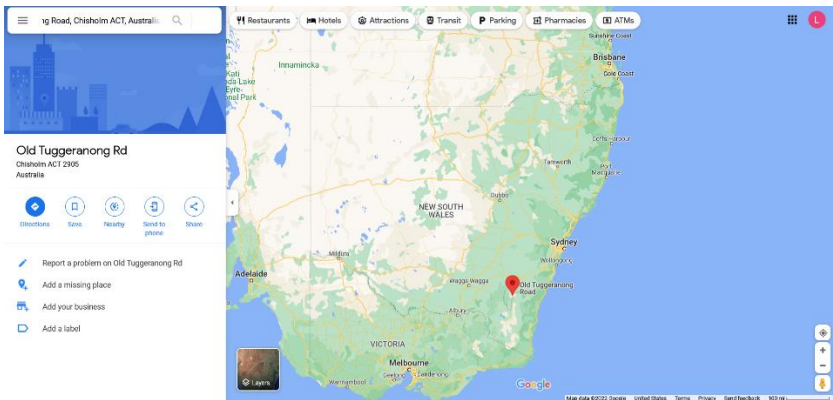
<https://twitter.com/jdavisabr/status/1534425361030971393/photo/1> @jdavisabr



SUCCESS I'm pleased to say that my motion calling on

the ACT Government to trial a program that will make it cheaper and easier for households to transition from wood heaters to electric heaters has passed the

[@ACT_Assembly](#) 1/6 [1:41 AM · Jun 8, 2022](#) from [Canberra, Australian Capital Territory](#) · [Twitter for iPhone](#)



<https://www.parliament.act.gov.au/members/tenth-assembly-members/brindabella/davis-johnathan>

https://www.environment.act.gov.au/data/assets/pdf_file/0003/1414641/ACT-Climate-Change-Strategy-2019-2025.pdf

<https://www.miragenews.com/new-wood-heater-replacement-program-to-make-796574/>

<https://the-riotact.com/where-theres-smoke-theres-ire-wood-heaters-in-the-firing-line-as-temps-drop-and-pollution-rises/565237>

[Where there's smoke, there's ire: wood heaters in the firing line as temps drop and pollution rises](https://the-riotact.com/where-theres-smoke-theres-ire-wood-heaters-in-the-firing-line-as-temps-drop-and-pollution-rises/565237)

Riotact... for the removal and disposal of **wood-burning** heaters, or replacement with an efficient electric system, Mr Davis argued this wasn't well used.

<https://canberraweekly.com.au/help-for-low-income-households-to-get-cleaner-heaters/>

Thermal Imaging Cameras, low cost, hand-held or for Smart Phones

RAWSEP View: <https://open.spotify.com/show/32hfC477jEeeDbQoTsu82I> New low-cost hand-held infrared cameras are being used to identify illegal residential wood burning and subsequently identify wood burning occupants. The new thermal imaging camera technology detects thermal energy on chimneys and flues which show unlawful use of wood burners. If use of illegal wood burners is identified, compliance officers will follow up with the occupants. The cameras do not see-through walls or glass, nor show any human activity within houses. The move comes in the wake of the 2017 Air Quality Control Bylaw. It is part of continued efforts in improving wintertime air quality in Rotorua, New Zealand.

Examples of low-cost, hand-held or smart phone Thermal Imaging Cameras

Thermal imaging cameras, low cost, portable, two items bundled together or purchased separately

Thermal imaging camera attachment to smartphone \$409.99

FLIR ONE Pro - iOS - Professional Grade Thermal Camera for Smartphones - with VividIR and MSX Image Enhancement Technology

https://www.amazon.com/dp/B072J49BX7/?coliid=IZBKHR3XEIT03&colid=2ICXMN5CWNNF1&psc=1&ref=lv_ov_lig_dp_it

Thermal imaging bullseye laser with trigger and color screen \$347.99

FLIR TG165-X Thermal Camera imaging tool for temperature anomalies, with Bullseye laser, 50,000 image storage and rechargeable Li-ion Battery

https://www.amazon.com/dp/B08D3YC5CW/?coliid=ILVE3BWOXQ5TB&colid=2ICXMN5CWNNF1&psc=1&ref=lv_ov_lig_dp_it

Arizona

[Ozone High Pollution Advisory issued for Thursday, June 9 in Maricopa County](#)

Arizona Emergency Information Network - az.gov

Canada, Keeling Curve

Wood burning in residential fireplaces, chimeneas, outdoor fire pits, ... This includes individuals and businesses which have burn permits for ...

[What is the Keeling Curve and what does it tell us about the health of the planet? - CBC](#)

CBC

Doctors have previously made the link between fine particulate matter (**PM 2.5**) — a pollutant emitted from anything burning — and how inhaling it ...

Colorado

[CHAFFEE COUNTY ORDINANCE NO. 2022-02 | Legals | themountainmail.com](#)

The Mountain Mail

TITLE: AN **ORDINANCE** RESTRICTING OPEN FIRES AND OPEN BURNING IN THE ... fires in **wood-burning** stoves, and the prescribed burning of fence lines or ...

RAWSEP View: An ordinance passed in Chaffee County, Colorado to restrict wood burning.

New York

<https://climate.ny.gov/Our-Climature-Act/Draft-Scoping-Plan>

RAWSEP View: Heat pumps rather than wood burning, public comment until July 1, 2022 in New York State.

New Zealand

[Study shows link between woodsmoke pollution and acute respiratory infections - RNZ](#)

RNZ

Areas with a higher density of **wood burners** per hectare had higher rates of GP visits. The town was not identified, but Dr Hammond said its wood ...

RAWSEP View: New Zealand, Otago study showed link between wood smoke pollution and acute respiratory infections.

[Study shows link between wood smoke pollution and acute respiratory infections](#)

The Bharat Express News

Areas with a higher density of **wood-burning** stoves per hectare had higher rates of GP visits. The town was not identified, but Dr Hammond said its ...

RAWSEP View: New Zealand, Otago study showed link between wood smoke pollution and acute respiratory infections.

[ORC Welcomes Findings On Woodsmoke Effects | Scoop News](#)

Scoop

A study showing a link between **woodsmoke** and GP visits in a Central Otago town – potentially applying to other towns in the region – has been ...

RAWSEP View: New Zealand, Otago study showed link between wood smoke pollution and acute respiratory infections.

[Woodsmoke effects studied | Otago Daily Times Online News](#)

Otago Daily Times

Woodsmoke may be causing or exacerbating acute respiratory conditions, a study which examined an unnamed Central Otago town suggests.

RAWSEP View: New Zealand, Otago study showed link between wood smoke pollution and acute respiratory infections.

[Woodburners linked to rise in respiratory problems in Central Otago - Stuff.co.nz](#)

Stuff.co.nz

Smoke from **wood-burning** fires has been linked to an increase in visits to ... It also found that areas with a higher density of **wood burners** per ...

RAWSEP View: New Zealand, Otago study showed link between wood smoke pollution and acute respiratory infections.

[Woodsmoke effects studied | Otago Daily Times Online News](#)

Otago Daily Times

The researchers also found that areas with a higher density of **wood burners** per hectare had higher rates of GP visits for acute respiratory ...

RAWSEP View: New Zealand, Otago study showed link between wood smoke pollution and acute respiratory infections.

NOAA Satellites improve estimates of Wildfire Smoke predictions

[NOAA Satellites Improve Estimates of Wildfire Smoke, Air Quality Predictions | NESDIS](#)

noaa nesdis

Fine particulate matter (**PM2.5**), which is 2.5 micrometers or less in diameter – about 30 times smaller than the diameter of an average human hair ...

RAWSEP View: National Oceanic and Atmospheric Administration (NOAA) Satellites improve estimates of wildfire smoke and air quality predictions.

Ohio

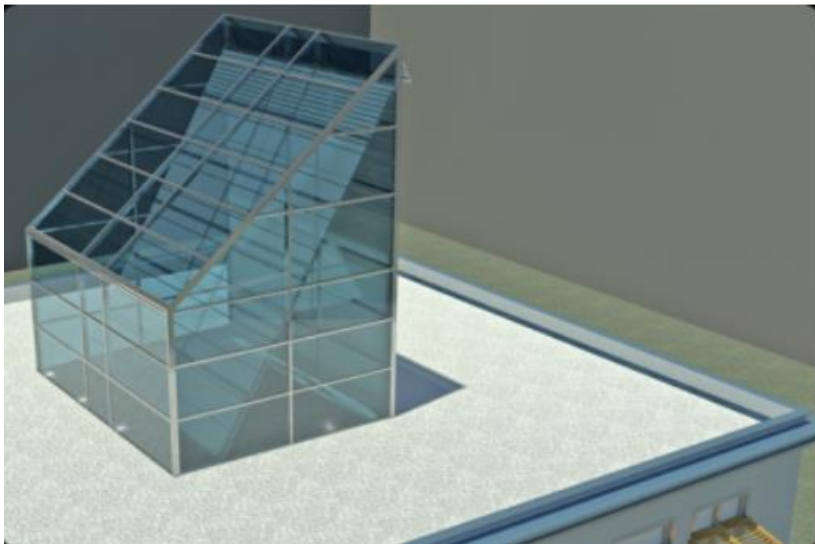
[Crews on scene of Wood County junkyard fire; smoke seen for miles - YouTube](#)

YouTube

Smoke could be seen coming from Webb Wrecking between Fostoria and Bowling Green Thursday night. Currently, it is unclear what might have sparked ...

RAWSEP View: Video from fire caused by unknown source in Ohio's Wood County between Bowling Green and Fostoria.

Solar Chimneys



[Jane Marsh - Do Solar Chimneys Save Lives? - Renewable Energy Magazine](#)

Renewable Energy Magazine

Solar chimneys also protect the environment by limiting greenhouse gas emissions. Traditional fireplaces rely on **wood** to produce heat. **Burning wood** ...

RAWSEP View: Solar chimneys warm [homes by forcing warm air down](#) the chute into a room. The chimneys also increase ventilation by using natural temperature differentiations to circulate indoor air. Residents are investing in solar chimneys to increase their properties' temperatures without generating smoke.

Ukraine

[Smoke seen after blast in Ukraine city | Great Lakes Advocate | Forster, NSW](#)

Great Lakes Advocate

A huge cloud of **smoke** can be seen rising into the air after an explosion in ... Health Action Group members, Carmel Bartlett, Eddie **Wood** and Trish. RAWSEP View: Explosions during the Ukraine war produce clouds of smoke.