



## LEADERS IN OZONE LAYER & CLIMATE PROTECTION



### MONTHLY ELECTRONIC NEWSLETTER

STRIVING TO KEEP YOU INFORMED

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#### Plan to Attend a MOPIA Program Awareness Session

You are invited to attend a MOPIA awareness session being held on the following dates and locations. All sessions are free and include complimentary food and light refreshments.

Email [mopia@mopia.ca](mailto:mopia@mopia.ca) to RSVP

Selkirk	June 20	Noon - 1 pm	Canalta Inn
Portage la Prairie	June 22	Noon - 1 pm	Super 8
Dauphin	June 23	Noon - 1 pm	Best Western Dauphin
Morden	June 27	Noon - 1 pm	Best Western Plus Morden
Winnipeg	June 28	7:45 - 9:15 am	Cindy Klassen Rec Centre
The Pas	June 29	Noon - 1 pm	Andersen Inn
Swan River	June 30	Noon - 1 pm	Super 8

#### Remember to Renew! MOPIA Technician Certifications Expired May 31!



Manitoba ODS/Halocarbon & Environmental Training Certifications have expired on May 31.

MOPIA issued certification renewals to all service technicians May. Technicians and/or companies can renew the certification online, by phone/fax, or by mail. In person renewals are permitted, however masks are required upon entry, for the safety of staff and stakeholders.

It is an offence to service any HVAC/R or A/C equipment on the gas side of the unit without being certified. Penalties include a fine of up to \$50,000 and/or 6 months in prison.



Follow MOPIA on Facebook,  
Instagram, LinkedIn and TikTok  
to keep up to date!

Find us @ [manitoba.mopia](https://www.manitoba.mopia)

#### MOPIA attends ATMOSphere America Summit

MOPIA traveled to Washington D.C. to attend this year's ATMOSphere America Summit event helped to spread information on the future and latest developments in natural refrigerant-based technologies.

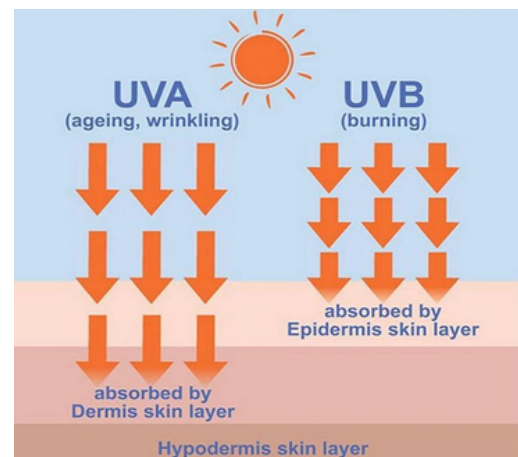
They got to be in attendance with policymakers, manufacturers, consultants, researchers, and other industry-leading experts.

For more information on the event please visit [atmo.org](http://atmo.org)



#### Wear Your Sunscreen!

May 27th was national sunscreen day. Sunscreen is critical in protecting our skin from harmful UVA and UVB rays. Using sunscreen daily can significantly lower the chances of getting sunburned, skin cancer and skin wrinkling.



[www.skincancer.org/blog/broad-spectrum-protection-sunscreen/](https://www.skincancer.org/blog/broad-spectrum-protection-sunscreen/)

# MOPIA

## Manitoba Ozone Protection Industry Association

### 2022 Montreal Protocol's Technology and Economic Assessment Panel

The 2022 Montreal Protocol Technology and Economic Assessment Panel's 2022 assessment has now been posted.

This contains information on the remaining ODSs and HFC transitions to alternatives and technological updates across many different sectors.

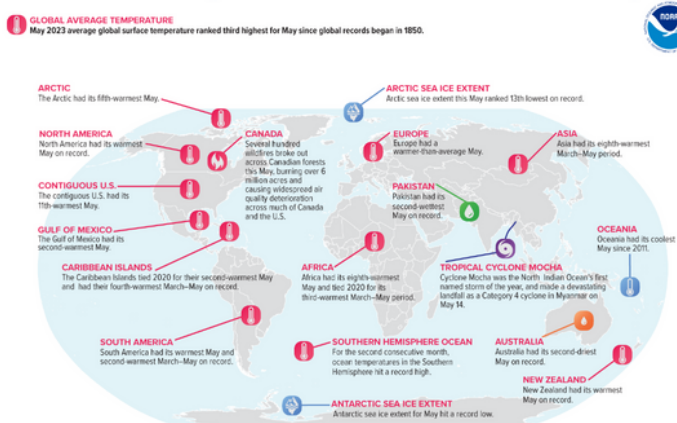
For more information please visit <https://ozone.unep.org/system/files/documents/TEAP-Assessment-Report-2022-April23.pdf>

### Technology and Economic Assessment Panel

#### 2022 Assessment Report

### Climate Anomalies

#### Selected Significant Climate Anomalies and Events: May 2023



Please note: Material provided in this map was compiled from NOAA's State of the Climate Reports. For more information please visit: <https://www.noaa.gov/state-of-the-climate-reports/monthly-report/global/>

<https://www.ncei.noaa.gov/access/monitoring/monthly-report/global/202305>

### World Refrigeration Day

World Refrigeration day is June 26th!

This year's theme focuses on upcoming appliances and machinery to be used in cooling. This theme addresses critical environmental factors that need to be considered including GWP, acidification and PFAS. Current technologies are energy consuming and contributing significantly to climate change. The industry is working towards bringing in individuals who can create technology that is better for our environment.

For more information please visit: <https://worldrefrigerationday.org/>

### CO<sub>2</sub> Heat Pump Transition in New Electric Vehicles

Hanon Systems became the first company to develop CO<sub>2</sub> heat pumps for vehicles, most notably; Volkswagen. These pumps were first introduced in Volkswagen's electric SUV coupe. Heat pumps are quite beneficial to electric vehicles as EVs don't have engine heat to warm the cabin of the vehicle.

The current refrigerant used in most new vehicles is HFO 1234yf, which is damaging to aquatic ecosystems, drinking water supplies and human health. HFO 1234yf is released into the atmosphere as a gas, but returns to earth in the form of forever chemicals called PFAS. Human health effects of PFAS include various kinds of cancer, birth defects, thyroid disease and liver damage. R744 (also known as CO<sub>2</sub>) is a highly pressurized refrigerant with a very low GWP, low energy consumption and no direct health impacts.

<https://atmo.org>

