



LEADERS IN OZONE LAYER & CLIMATE PROTECTION



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The 5,000 Heat Pump Goal Manitoba a Leader

Province's goal of installing 5,000 ground source heat pumps by offering enhanced incentives and financing options to help Manitobans upgrade their homes.



The Province of Manitoba is in partnership with Efficiency Manitoba and are aiming to install 5,000 heat pumps across Manitoba. This is an ambitious target in an effort to reduce Manitoba's climate footprint.

See:
<https://efficiency.mb.ca/affordable-home-energy/>

Heat pumps/geothermal systems have many advantages. Lower costs to operate and the environmental performance of reducing the dependence on non renewable energy sources to heat and cool one's home or building(s).

These systems all have refrigerants that are circulating fluids, which some are better than others in terms of energy efficiency and climate impact. For instance, HFCs are among the most potent greenhouse gases, but systems using HFOs or natural refrigerants (widely used in Europe) are becoming more available by manufacturers and suppliers.

Generally, all installers (companies) offering geothermal heat pump units and the technicians servicing these units require someone certified through MOPIA to actively engage the system as the refrigerants used are regulated under the Manitoba ODS and Other Halocarbons Regulation.

MOPIA's Executive Director (Mark Miller) was the original founding Executive Director of the Manitoba Geothermal Energy Alliance (MGEA) and is thrilled the Province has embraced such a worthy initiative to foster climate protection.

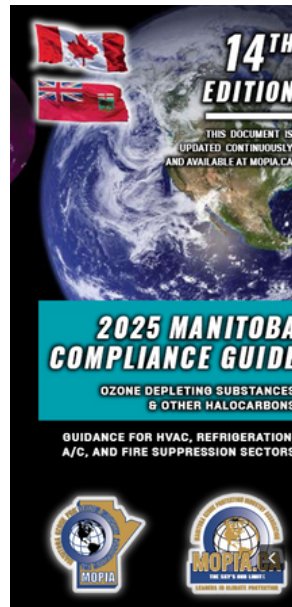
Threat of HFOs and TFA

The Rising Threat of HFOs and TFA to Health and the Environment



With the phase-down of potent climate harming HFCs and introduction of alternative refrigerants such as HFOs, one should be aware of their environmental and human health consequences. A new Report highlights some of these characteristics. See it at:
<https://atmosphere.cool/hfo-tfa-report-2025/>

Updated Compliance Guide 14th Edition



MOPIA's 14th Edition Regulatory Compliance Guide has been officially released online as an electronic version. This latest Edition highlights key regulatory requirements for technicians and companies buying, selling and using regulated refrigerants.

There are website links, enforcement contacts and other interesting facts and sources for information.

It also provides background of the Montreal Protocol process, Canada and Manitoba's role along with a focus on MOPIA as an organization in the broader context of contributing to the success of phasing out ozone depleting and climate substances locally and with partners internationally. See it at: www.mopia.ca



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MOPIA

Manitoba Ozone Protection Industry Association

MOPIA in Dauphin and Winnipeg Sharing Info

MOPIA continued to hold our annual Outreach and Awareness Session in July in Dauphin and Winnipeg. Regulatory info was shared and MOPIA is listening to our stakeholders suggestions on many issues.



Where are They Now?



Brookelynn (at left) and Luc (at right) were employed by MOPIA (2021-25) supporting our administrative, database, public profile and climate change research work.

Today, they are both employed in Winnipeg by the Manitoba Metis Federation (MMF) as Climate Change / Mines and Minerals Specialists. Protecting the environment is challenging and honorable profession. Keep striving forth!

The 37th Meeting of the Parties



The Parties to the Montreal Protocol and stakeholders will be coming together in Nairobi, Kenya 2-7 November 2025 at their 37th Meeting.

Several pre-meeting documents are available online and the Agenda includes items adopted by the July OEWG that was held Bangkok, Thailand.

See: <https://ozone.unep.org/meetings/thirty-seventh-meeting-parties>

\$875 Million in PFAS Related Fines

The State of New Jersey was recently awarded a settlement from three major chemical companies for their manufacturing or use of PFAS chemicals. The penalties totaled \$875 million over 25 years for the remediation and contaminated site cleanup. The companies include 3M, Chemours/DuPont and Corteva.

PFAS (forever chemicals) is claimed to be a risk to human health and the environment.

While this claim is not specifically related to HFO refrigerants, others are pursuing and/or seeking a ban, phaseout, or restrictions on their use as there is an affiliation to TFA. See: <https://dep.nj.gov/3m/faqs/> and <https://dep.nj.gov/pfas/> <https://atmo.org/presentations/impact-of-hfos-pfas-and-global-warming/>

