



**LEADERS IN OZONE LAYER & CLIMATE PROTECTION**



**MONTHLY ELECTRONIC NEWSLETTER**

STRIVING TO KEEP YOU INFORMED

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**WORLD OZONE DAY**



Every September  
16th is World  
Ozone Day!

The theme for  
World Ozone Day  
2021 is "**Montreal  
Protocol -  
Keeping us, our  
food, and  
vaccines cool.**"

Roughly 1/3 of worldwide food production for human consumption is lost, or wasted annually, due to improper refrigeration and "cold chains". Billions of dollars are lost as a result of food waste, in addition to natural resources, land, water, and energy. These processes also attribute to 8% of total greenhouse gas emissions annually, across the globe.

Learn more at:

- [www.ozone.unep.org/ozone-day/montreal-protocol-keeping-us-our-food-and-vaccines-cool](http://www.ozone.unep.org/ozone-day/montreal-protocol-keeping-us-our-food-and-vaccines-cool)
- [www.fao.org/food-loss-and-food-waste/flw-data](http://www.fao.org/food-loss-and-food-waste/flw-data)

**APPLIANCE  
RECYCLING INITIATIVE**

Efficiency Manitoba has taken the lead to recycle and encourage the replacement of old, inefficient refrigerators to improve energy efficiency. Homeowners can obtain a \$30 rebate by scheduling a pickup of old (but operating) fridges and freezers. Other units such as (working) window A/C and dehumidifiers are accepted, but not eligible for rebate.

Puresphera Recovery and Recycling will pick up your appliance and ensure it's recycled properly.



Learn more at:

- <https://efficiencymb.ca/my-home/appliance-recycling/>
- <https://puresphera.com/en/>



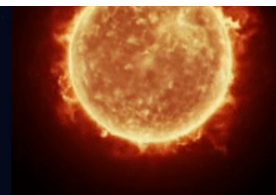
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Find us @ [manitoba.mopia](https://manitoba.mopia)



**MOP33 | COP 12"**

23-29 Oct 2021  
Online



The 33rd Meeting of the Parties (MOP) will be held online from Oct 23rd - 29th. MOPIA will be actively participating, with the key agenda items being:

- financial reports and budgets of the trust funds for the Vienna Convention and the Montreal Protocol; Vienna Convention issues: the ORM11 recommendations, and the Vienna Convention Trust Fund on Research and Systematic Observations; the updated replenishment report; gaps in monitoring of controlled substances; critical-use nominations; and energy efficiency

More information at: <https://ozone.unep.org/meetings/thirty-third-meeting-parties>

# MOPIA

## Manitoba Ozone Protection Industry Association

### CANADIAN SHIELD LAKES AT RISK

Climate change is not only warming our earth and atmosphere but our lakes as well. Canada is home to the most freshwater lakes in the world and contains twenty percent of the world's freshwater. The Canadian shield is particularly affected by climate change as the region's traditionally cold and frigid winter climate is getting warmer. Shield lakes are at risk, as the water quality, biodiversity and overall lake health are threatened by climate change. Some fish species have shown detrimental effects, such as Walleye, Yellow perch, Whitefish and most significantly Lake trout, as they prefer cool or cold waters.

Furthermore, global warming reduces the duration of winter and diminishes the ice cover needed for some species to spawn in the spring.

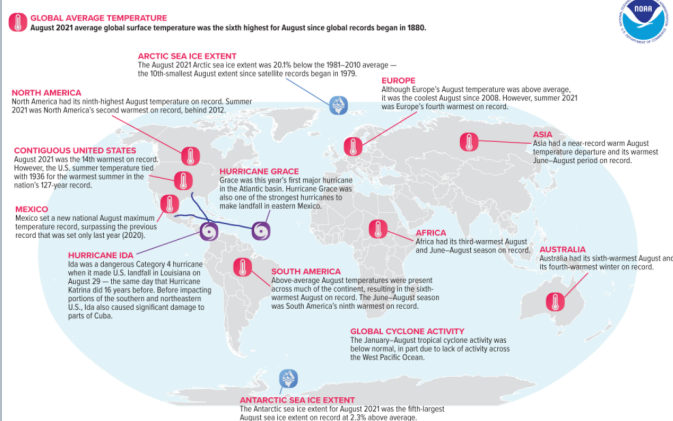
High-intensity UV rays are especially harmful to zooplankton and the entire food chain as zooplankton play a crucial role at the bottom of the food pyramid. Additionally, higher water temperatures accelerate the process of eutrophication that promotes the growth of harmful bacteria responsible for large algae blooms and causes low oxygen levels.

Climate change is and will continue having detrimental effects on shield lakes and the species that inhabit them. The millions of people who depend on the lakes and enjoy them for recreation will observe drastic changes to the beloved region and its countless water bodies.

• Luc Philippot - MOPIA Environmental Specialist (2021)

### ANOTHER ASTONISHING AUGUST HEAT AMBUSH

#### Selected Significant Climate Anomalies and Events: August 2021



This was the sixth warmest August on record globally, and North America's ninth-highest August temperatures on record. Summer 2021 was North America's second warmest on record, behind 2012.

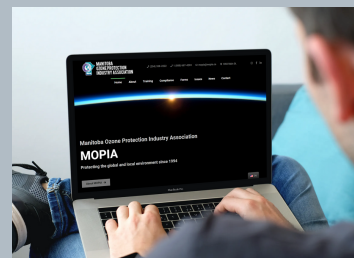
Visit NOAA's website for various climate maps:

• <https://www.ncei.noaa.gov/>

#### GET CERTIFIED!

MOPIA still offers certification training online, or via correspondence packages. In-class sessions remain

COVID-19 pending. Visit [MOPIA.ca](https://www.mopia.ca) for details



### MOPIA DISCOUNT PROGRAM COMING SOON!

Stay tuned for information regarding MOPIA's new discounts program. Watch for discounts at local businesses for certified stakeholders!

