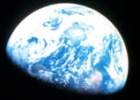




MOPIA • BULLETIN



LEADERS IN OZONE LAYER & CLIMATE PROTECTION

2018 AHR Expo in Chicago January 22-24



The 2018 Air Conditioning, Heating and Refrigeration (AHR) Expo is taking place in Chicago later this month. It is among the largest annual HVACR events in the world with over 2,000 exhibitors and an estimated 65,000 participants.

HVACR industry manufacturers, along with a variety of new products are on display, unveiled and promoted.

Other HVACR events happening this year include these:

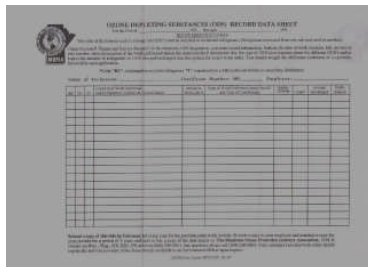
ExpoComfort: March 13-16 in Milan, Italy
www.mcexpocomfort.it/

China Refrigeration Expo: April 9-12 in Beijing, PR China
<https://10times.com/china-refrigeration>

ASHRAE Annual Conference: June 23-27 in Houston, Texas, USA
www.ashrae.org/membership--conferences/conferences/2018-ashrae-annual-conference

Reminder to Submit Your 2017 Refrigerant Records

Every person/technician who is ODS certified must submit records to MOPIA once per year by February 1 highlighting all refrigerant (and/or halon) use for the prior calendar year (2017). This is a mandatory requirement.



Your records may be emailed, mailed or handed-in to MOPIA. Penalties for not turning in this information are up to \$50,000 on a first offense! Please advise MOPIA if you have not used any refrigerant, as well.

Direct Proof Chemicals Depleted The Ozone Layer



A new research paper just published (January 4, 2018) in the Geophysical Research Letters **"Decline in Antarctic Ozone Depletion and Lower Stratospheric Chlorine Determined From Aura Microwave Limb Sounder Observations"** highlights that inorganic chlorine is the catalyst in destroying ozone in the upper atmosphere, the stratosphere. While this was often assumed, this Paper is seen as providing the first direct proof that the ozone hole is recovering due to less chlorine (chemicals) in the stratosphere.

It is still believed the ozone hole and depletion in the broader context will still take until the years 2060-2080 before the ozone layer recovers itself naturally. See the full Paper at: <http://onlinelibrary.wiley.com/doi/10.1002/2017GL074830/full>

Canada's HFC use Destined to Decline

The Kigali Amendment to The Montreal Protocol is estimated to avoid emissions of over 70 billion tonnes carbon dioxide-equivalent or potentially reduce the impact of greenhouse warming by 0.5 degrees. This landmark climate treaty amendment reached the minimum threshold of at least 20 nations who ratified it on November 17, 2017. The Amendment will come into force on January 1, 2019 and will see countries reduce HFCs by 80% over the next 30 years.

Canada has proposed to set manufacturing and import restrictions (Regulations) on HFC containing equipment among the various industry sectors. These proposed regulatory measures can be seen at:

www.ec.gc.ca/ozone/default.asp?lang=En&n=77A94123-1&printfullpage=true

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MANITOBA OZONE PROTECTION INDUSTRY ASSOCIATION

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MOPIA Aims to Green Offices

MOPIA aims to be cost conscious and environmentally responsible on all facets of our operations. From reducing and eliminating our paper use (paperless meetings) to sourcing products designed for the environment, there is always more we MUST do.

In our next tangible step, MOPIA is retrofitting our office lighting from traditional ceiling fluorescent bulbs to LEDs. Through a Power Smart lighting incentive (rebate) from Manitoba Hydro, MOPIA will soon reduce our power usage and make another leap forward to reducing our environmental footprint.

www.hydro.mb.ca/your_business/lighting/pdf/incentives.pdf

Become a Candidate for MOPIAs Board of Directors

Plan to attend MOPIAs 24th AGM

MOPIA is a longstanding, specialized non-government stakeholder ODS industry environmental organization. MOPIA does not rely on any government funding and thrives as a self-sustaining independent body. MOPIA does not align or affiliate with any chemical manufacturer or have any financial ties to any given stakeholder or industry elites. MOPIA aims to represent all the various industry sectors and the general public affected by primarily both The Montreal Protocol and The Manitoba Ozone Depleting Substances and Other Halocarbons Regulation (and Act) 103/94.

Over 5,000 people in Manitoba are certified to handle regulated halocarbon refrigerants. Another 500 plus companies have permits to import and/or purchase regulated parts, refrigerant and equipment across Manitoba.

Each year, MOPIA hosts an open Annual General Meeting and includes an opportunity for members to be elected to our Board of Directors. While the position is not paid, directors have the opportunity to share their perspective on shaping MOPIAs initiatives and impact with stakeholders. It is a valuable opportunity to enhance your network, contribute to the positive environmental footprint of our generation and broaden your knowledge and expertise on the various ODS sectors affected by the legislation.

To become a candidate for MOPIAs Board of Directors, one must first become a steward member. For \$20 annually, one is assigned voting rights and the capacity to become eligible to be a Board candidate upon being nominated. Nomination forms and more details may be obtained by contacting MOPIA. MOPIA continues to strive for diversification and inclusion on our Board of Directors.

Board candidates are elected by our membership at MOPIAs 24th AGM which will be held on Tuesday evening, April 10, 2018 at a location to be determined. Watch for details on our website.

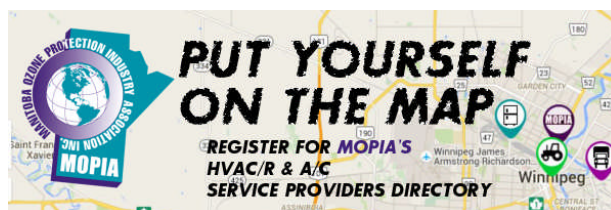
Get to Know Your MOPIA Directors



MOPIA Board members, Kent Cielen (left) Don Thomson (seated) and John Kubilanski (at right) were part of the MOPIA Team that attended the 29th MOP in Montreal this past November 2017. Kent is a Supervisor (Technical Services & Support with The Western Canada Lottery Corporation. Don was Fire Marshall (retired) with Manitoba Hydro and is current member of UNEPs Halons Technical Options Committee (HTOC).

And, John is involved with Special Projects with Mikkelsen-Coward & Co. headquartered in Winnipeg.

They all bring a diversity of knowledge to MOPIAs Board of Directors along with the our other representatives who will also be profiled in future MOPIA Bulletins.



Resource Corner

NASA Ozone Watch & Ozone Home Page

<https://ozonewatch.gsfc.nasa.gov/>

<https://www.nasa.gov/ozone>

International Institute of Sustainable Development

www.iisd.org

International Institute of Refrigeration

<http://iifir.org/medias/medias.aspx?instance=EXPLOITATION&SETLANGUAGE=EN>

United Nations Environment Programme "OzoNews"

<http://web.unep.org/ozonation/>

Environment & Climate Change Canada - Enforcement Notifications

www.ec.gc.ca/alef-ewe/default.asp?lang=En&n=8F711F37-1

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