



Manitoba

MOPIA

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Stratospheric Ozone Layer & Atmosphere Protection

MOPIA's Monthly E-Bulletin for our Subscription Members and Select Stakeholders

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MOPIA at Green Show



MOPIA will be an exhibitor at the Winnipeg Green Lifestyle & Organic Living Show September 11-12.

This event is a first for Winnipeg and plans to have everything from eco-fashion to eco-vehicles. Profile speakers will include Elizabeth May and Tim Taylor. The show will be open Saturday and Sunday at the Winnipeg Convention Centre. The event is geared towards the general public including children and more details can be obtained by visiting:

www.winnipeggreenshow.com



Come see the concept home called "Homerizon". It operates 100% off the power grid and recycles rain water with many other innovative environmental features.

www.homerizon.com

The latest innovations in vehicle technology in respect of the environment will be on display too.



Atmosphere 2010 - this Month



faster to market
natural refrigerants

Atmosphere 2010 - the International Workshop on Natural Refrigerants - will be held in Brussels, Belgium on September 27-28.

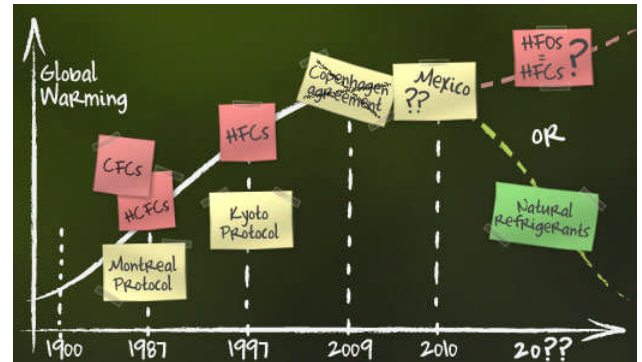
150 participants, 40 moderators, 45 speakers are anticipated in interactive workshops bringing together stakeholders to discuss what policy and industry can do to support the use of CO₂, ammonia, and hydrocarbons as refrigerants in developed and developing countries.

The world of refrigeration and air conditioning is evolving very rapidly. Especially with HFC's becoming intensely scrutinized because of their global warming characteristics. There is also new dynamics including the re-introduction of alternatives such as natural refrigerants and new refrigerants including HFO 1234yf.

There is much discussion and lobbying by the various stakeholders and industry operatives on what's the best future technology and refrigerants. MOPIA will keep aware of this emerging world as these will affect your future options and how Manitoba will adopt future ODS and Other Halocarbons legislation.

See: www.atmosphere2010.com

The World is at a crossroads with refrigerants as depicted by this BeyondHFCs.org graph.



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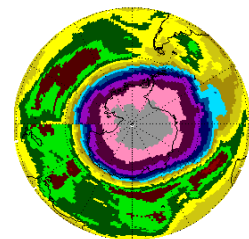
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Get Set for September 16



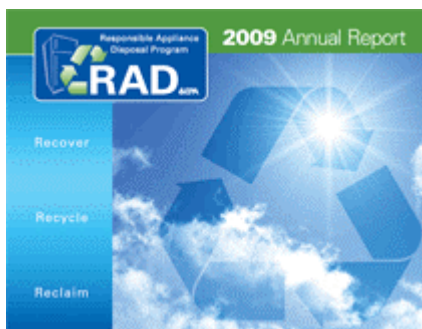
Each September 16 marks the date when nations came together in 1987 to sign the Montreal Protocol. The theme for the 2010 International Day for the Preservation of the Ozone Layer is "Ozone layer protection: governance and compliance at their best".

"The Montreal Protocol has been recognized around the world as the most effective multilateral environmental treaty ever implemented" noted Mr.

Marco Gonzales, Executive Secretary of the Ozone Secretariat (UNEP).

A short animation film, list of activities, promotional and awareness materials are available at: http://ozone.unep.org/Events/ozone_day_2010/index.shtml

White Goods Stewardship



The USA EPA released its 2009 Annual Report on the Responsible Appliance Disposal Program (RAD). It is a voluntary program designed to encourage the responsible decommissioning of white goods.

These include old refrigerators, freezers, window air conditioners, and dehumidifiers. RAD partners use best practices to best ensure:

- Metals, plastic, and glass are recycled
- Refrigerant is recovered and reclaimed or destroyed
- Foam is recovered and destroyed, or the blowing agent is recovered and reclaimed
- PCBs, mercury, and used oil are recovered and properly disposed

See: www.epa.gov/ozone/partnerships/rad/

MOPIA, in partnership with Manitoba Conservation, has also developed best practice guidelines tailored for Manitoba, completed in 2007.

Toxicity of New Refrigerant

The German Federal Environment Agency (UBA) commissioned the German Federal Institute for Materials Research and Testing (BAM) to examine the reaction behaviour of the next generation HFC refrigerant HFO1234yf when exposed to ignition sources like sparks or hot surfaces.

The results showed some negative characteristics including:

The formation of highly toxic hydrogen fluoride (HF) acid occurs not only when HFC1234yf is burning but already when the substance comes in contact with hot surfaces, is a major safety concern

The flammability of HFC1234yf makes it more dangerous than its predecessor HFC134a

A number of organizations are now calling for automakers to carefully reconsider their position on HFC 1234yf. Car makers in Germany announced surprisingly that they have selected refrigerant HFC 1234yf in new vehicles with air conditioning beginning in January 2011. This is the date Europe has mandated for the replacement of HFC 134a in new autos.

www.beyondhfc.org



Next Certification Training Class

MOPIA continues to offer our environmental and regulation awareness certification training class. If you know someone who may be interested or plans to handle regulated products (i.e. refrigerant or parts), they should sign-up to take a future class. Obtain the training registration form from our website at: www.mopia.ca. Our next class is tentatively planned for late September in Winnipeg.

All persons working with regulated refrigerants in Manitoba must maintain valid certification. Certification renewals (not retraining) are required annually beginning June 1 or each year.

Keeping our members informed!!