



LEADERS IN OZONE LAYER & CLIMATE PROTECTION



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Alternative Refrigerants Events Happening across Globe

Alternative and low GWP or natural refrigerant training and awareness sessions are happening more commonly across Europe and North America as the phase-down of high GWP refrigerants including HFCs approaches. HFCs such as HFC 134a, commonly used in auto air conditioning is a potent and high greenhouse gas.

The Montreal Protocol along with its Kigali Amendment have earmarked the mandatory phase-down of HFCs due to their environmental (GWP) impact.

As examples, in Europe, Centro Galileo is hosting a awareness session in Milan, Italy on March 13-14.

https://industriaeformazione.it/wp-content/uploads/2024/02/2_Convegno_CSG_MCE_Eng-V2.pdf?utm_campaign=mce_promo_stand_e_convegno_x_is_if_eng&utm_source=emailchef&utm_medium=email&utm_term=campaign

In the United States, The North American Sustainable Refrigeration Council is hosting two events, one in Pittsburgh and another in California in March and April. See:

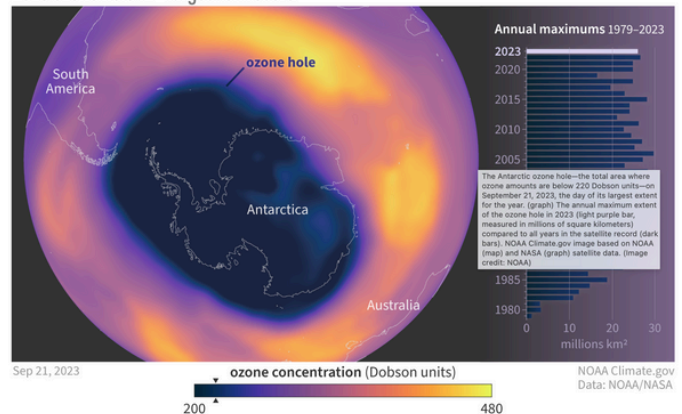
<https://nasrc.org/natural-refrigerant-training-summits#Locations>

We encourage you to visit MOPIA's website to link into these events and also to source free or low cost alternative refrigerants training programs.

There is no question, the world will need to shift to low or natural refrigerants in an effort to meet climate goals set out by the United Nations.

Status of 2023 Ozone Hole

2023 Ozone hole 12th-largest on record



According to a report from the National Oceanic and Atmospheric Administration (NOAA), the 2023 ozone hole ranked as the 12th largest on record. The eruption of Volcano Hunga Tonga in 2022 is believed to have enlarged this size of the ozone hole this year. Every September, ozone concentrations over the south pole thin considerably, forming an “ozone hole”. While the production of most ozone depleting substances such as CFCs has ceased, they still exist in stockpiles and old appliances. Additionally, some CFCs have an atmospheric lifespan up to 140 years, and will continue depleting the ozone layer for some time.

Despite this year's hole being the 12 largest on record, NASA scientist Paul Newman states “It's a very modest ozone hole”, citing that this year's depletion was around 95%, whereas most years its much closer to 100%.

For more information visit:
<https://www.noaa.gov/news-release/2023-ozone-hole-ranks-12th-largest-on-record>



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Businessman Convicted Over CFC Sales

A New York businessman was convicted on 86 counts for collecting 1.9 million in excise taxes from the sales of CFCs-113, among other charges. The man told manufacturers that he intended to buy CFCs for exportation, enabling him to purchase them tax-free. Rather than exporting the CFCs, he sold them domestically without paying the taxes and informing the manufacturers.

The CFCs sold were part of a stockpile of Chlorofluorocarbons set aside prior to the 1996 Clean Air Act that banned the importation and production of CFCs. He faces decades in prison and hefty fines for his crimes.

UN Environment Assembly Meeting in Nairobi, Kenya



The United Nations Environment Assembly convened in Nairobi, Kenya during the last week of February and included some 7,000 delegates from 182 nations.

The aim was to address the triple planetary crisis, including climate, nature and pollution.

For more information visit:
<https://news.un.org/en/story/2024/02/1146967>

US Expanding Use of Heat Pumps

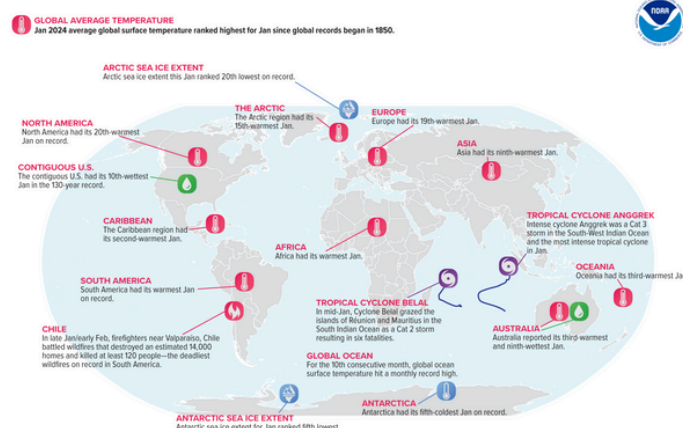
Nine U.S. states have signed a memorandum of understanding to significantly increase heat pump usage. The goal outlined in the agreement is to have heat pumps account for 65% of heating, cooling and water heating appliances by 2030 and 90% by 2040.

The purpose of this initiative is to reduce the emissions of residential buildings in California, Colorado, Maine, Maryland, Massachusetts, New Jersey, New York, Oregon and Rhode Island. "States also seek to direct at least 40% of efficiency and electrification investments to benefit low-income households facing high energy burdens and communities historically burdened with elevated air pollution levels," - NESCAUM

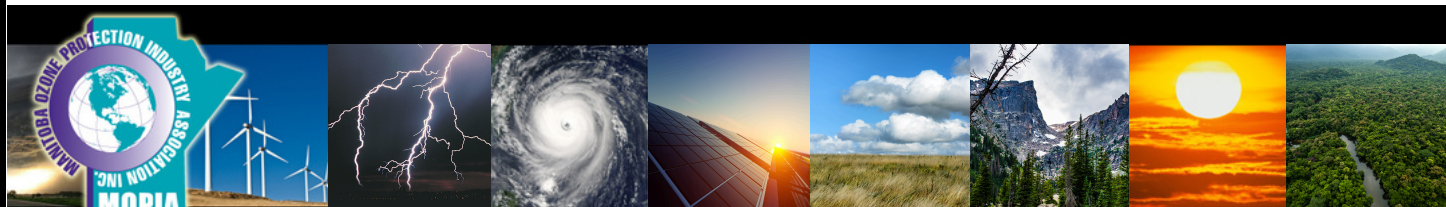
For more info: <https://r744.com/9-u-s-states-pledge-to-significantly-expand-heat-pump-sales-by-2030-no-word-on-natural-refrigerants/>

January 2024 Climate Anomalies

Selected Significant Climate Anomalies and Events: January 2024



<https://www.ncei.noaa.gov/access/monitoring/monthly-report/global/202401>



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