

Air Quality Display

It is important to understand how air quality affects our health. Forest fires during the summer, wintertime smog, and ground-level ozone in the spring are a few examples of what affects local air quality and your health in our region. LICA - Environmental Stewards is the region's Airshed Zone and monitors the air quality in our region. To help educate the public on air quality, LICA installed an air quality display in the Cold Lake Energy Centre and the Bonnyville and District Centennial Centre. The displays include Dylan Toymaker's originally designed wooden lanterns and posters with information to promote clean air for the Lakeland region. LICA partnered with the City of Edmonton to develop this lantern, similar to the one in the Edmonton Tower.



Our Airshed



LICA is the region's Airshed Zone and monitors the outdoor air quality within our region. Air quality is an indicator of how clean our air is. This is determined by the rate at which pollutants are emitted into the atmosphere and how effectively the atmosphere can disperse those contaminants. This dispersion is affected by wind speed and direction, temperature, and local topography.



Air Monitoring

- LICA monitors a number of different air quality parameters throughout the region.
- Nitrogen dioxide, ground-level ozone and particulate matter are used to determine the Air Quality Health Index (AQHI) value.
- Young children, seniors, pregnant women and people who have respiratory illnesses and those with cardiovascular conditions are more sensitive to air pollution.
- Air pollution can worsen chronic respiratory conditions and the AQHI can help you understand the health risk associated with local air quality conditions.
- Note: You should always consult your doctor concerning medical issues.

Reducing Air Pollution

We all have an impact on air quality. We can take actions to help reduce air pollution including:

- Idle less (a minute or less is best)
- Walk and ride your bike
- Car pool
- Reduce your energy usage



Scan this code for more information about the AQHI and our airshed

These simple changes can have a significant impact on our air quality if everyone is willing to do their part.

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Air Quality Health Index

The Air Quality Health Index (AQHI) is a scale designed to help residents understand what the outdoor air quality means to their health. The station listed below collects data that is used to determine the AQHI value. This value is then streamed to our lantern, which changes colour according to the AQHI scale.

This lantern is receiving data from our:

Cold Lake Monitoring Station
(near 50 Ave & 62 St Cold Lake)

Visit our website www.lica.ca to learn more about air quality and our air monitoring.

VERY HIGH RISK

- Avoid strenuous outdoor activities
- AQHI Scale: 11

HIGH RISK

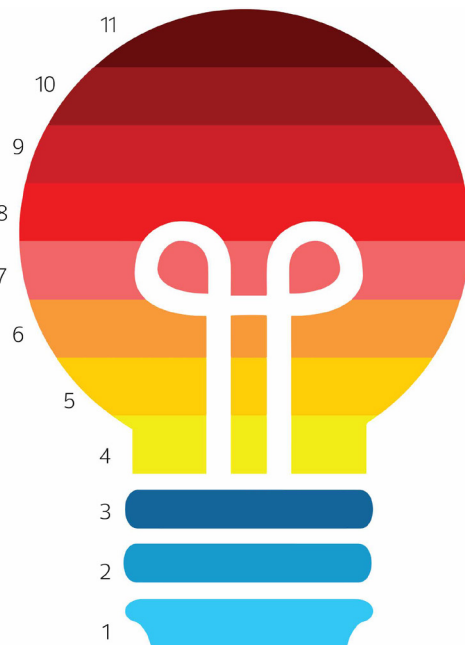
- Reduce or reschedule strenuous outdoor activities
- AQHI Scale: 7-10

MODERATE RISK

- Consider reducing or rescheduling strenuous outdoor activities
- AQHI Scale: 4-6

LOW RISK

- Enjoy usual outdoor activities
- AQHI Scale: 1-3



LICA is pleased to have partnered with the Cold Lake Energy Centre and Bonnyville and District Centennial Centre to display air quality information for the community.



The Air Quality Health Index (AQHI) is a scale designed to help residents understand what the outdoor air quality means to their health. LICA collects air quality data at local monitoring stations that are used to determine the AQHI value. This value is then streamed to the lantern, which changes colour according to the AQHI scale. When air is clean and "low risk," the light bulbs glow blue. In hot, dry months like August, there is increased potential for forest fires. During this time, the air can become smoky, containing fine particulate matter, and the bulbs may glow red, indicating "high risk", advising people to stay inside. To learn more about LICA and air quality visit

www.lica.ca.

