

RESOURCES FOR SCHOOLS

Clean Air Partnership
www.cleanairpartnership.org

Dads Against Dirty Air (DADA)
www.dadacanada.com

Reduce the Juice
www.reducethejuice.ca

Natural Resources Canada
"Idle Free Zone"

REDUCE THE JUICE

Driving Home an Emissions Free Future

Reduce the Juice (RTJ) is a non-profit group working on youth leadership and climate change projects. University students lead teams of high school students in community outreach campaigns that also involve elementary schools, and their surrounding neighbourhoods. RTJ has developed projects on home renewable energy systems, business sector energy audits, and idling. RTJ developed a Challenge whereby anyone can pledge to cut vehicle emissions by 10% through the simple actions listed below—can **YOU?**

Reduction	Action Required to Reduce Your Juice
9%	I will drive the speed limit on the highway.
6%	I will reduce the amount of time I idle by 5 minutes/day.
4%	I will avoid short trips in cold weather.
2%	I will park and turn off my vehicle rather than using the drive-thru 2 times/week.
2%	I will keep my tires inflated to within 4 PSI of the manufacturer's recommended pressure.
10%	I will replace my older vehicle with one less than 5 years old.
14%	I will leave my vehicle at home one day a week.
7%	I will roll down my windows instead of using A/C.
3%	I will remove my roof rack and other unnecessary weight.

DADS AGAINST DIRTY AIR (DADA)

DADA is donating "IDLE-FREE CAMPAIGN IN A BOX" kits to schools. The box contains all the signs, banners and pledge cards needed to run a 1 month IDLE FREE SCHOOL campaign. For more information visit www.dadacanada.com

IDLING GETS YOU NOWHERE... EXHAUSTING MYTHS AND FACTS

MYTH: "The engine has to warm up before driving."
FACT: Idling is not an effective way to warm up a vehicle, even in cold weather. Warming up the vehicle means more than warming the engine. The tires, transmission, wheel bearings, catalytic converter and other moving parts also need to be warmed up for the vehicle to perform well. Most of these parts don't begin to warm up until you drive the vehicle. Today's electronically controlled engines allow you to drive away after only 30 seconds of idling, even on the coldest winter days.

MYTH: "Idling doesn't cost me anything."
FACT: Excessive idling wastes a significant amount of fuel and money and generates needless greenhouse gas (GHG) emissions. If drivers of light-duty vehicles avoided idling by just three minutes a day, over the year Canadians would collectively save 630 million litres of fuel and 1.4 million tonnes of carbon dioxide (Co2) emissions, and \$630 million in fuel costs (assuming a fuel cost of \$1.00/L).

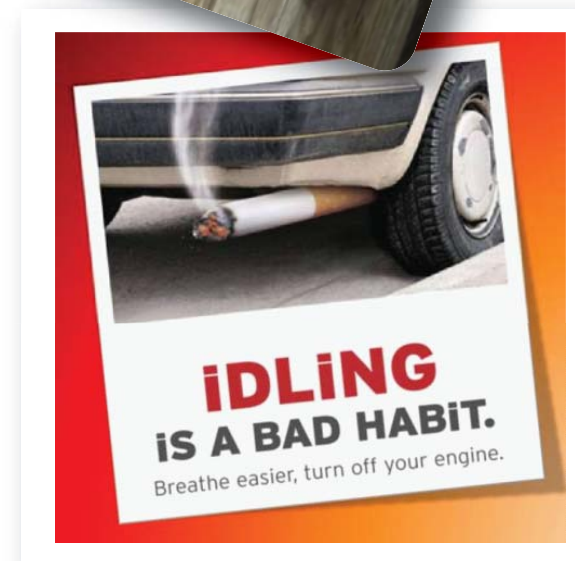
MYTH: "The few minutes that I idle while I drop off my child at school, and when I pick them up doesn't make a difference."
FACT: Children are more vulnerable to health impairments (e.g. asthma and other respiratory illnesses) from air pollution than adults because children breathe faster, inhale more air per kilogram body weight and have developing organs and tissues. Asthma rates in children are four times higher than they were 20 years ago. Idling around schools doesn't help.

For more information...

General By-law Information and Enforcement
519.740.4682
parking@cambridge.ca

SPARE THE AIR... KIDS BREATHE HERE

City of Cambridge Anti-Idling By-law



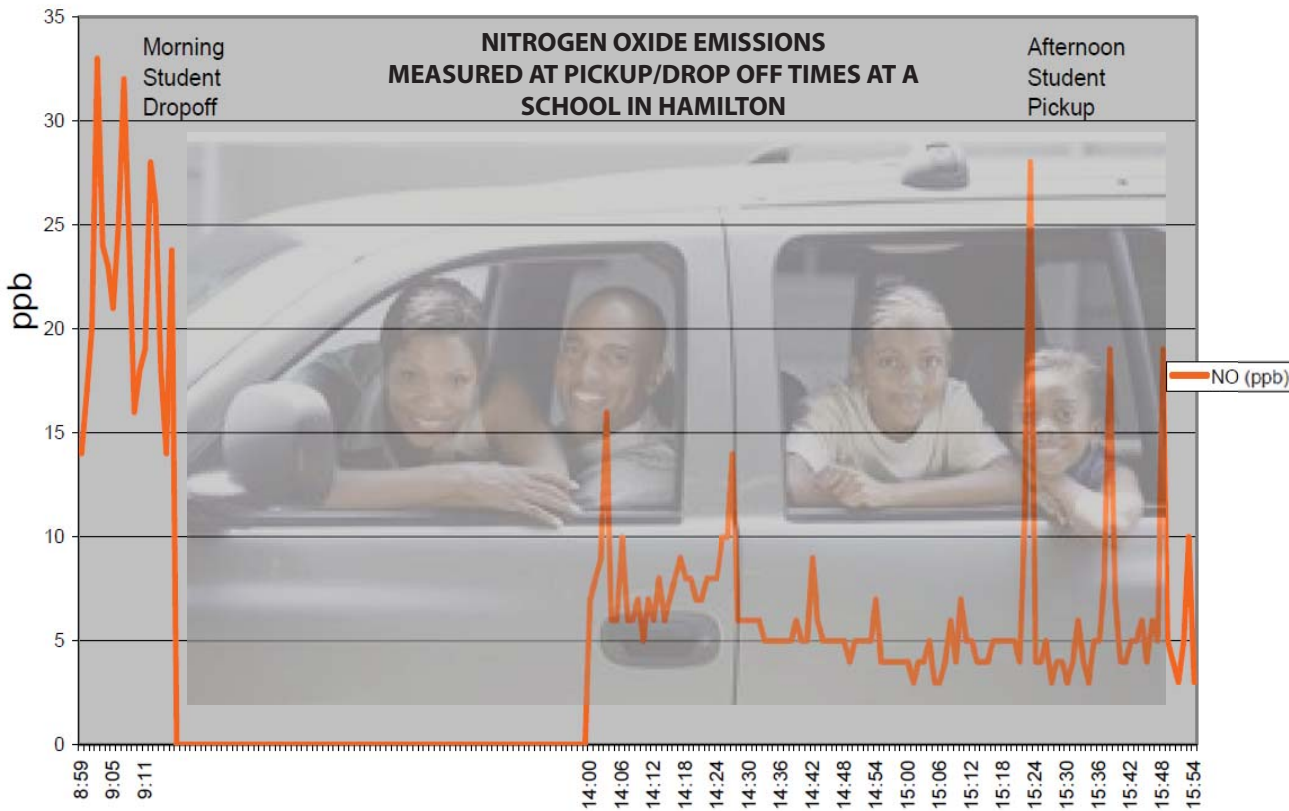
SPARE THE AIR... KIDS BREATHE HERE

The NEW Anti-Idling By-law

Cambridge has a new anti-idling by-law and commitment to enforce it at School and the City Hall No Idling Zones. Parking Enforcement Officers will issue warning tickets in Autumn 2010. This public education period featuring warning tickets enables the City to spread the word about the by-law before the **\$40 fines** go into effect **December 1, 2010**. Cambridge City Council approved the Anti-Idling By-law (164-09) in December 2009 which limits idling to one minute.

Air Quality Around Schools

Enforcement will focus on the 50 Cambridge School No Idling Zones particularly during drop-off and pick-up times where the best benefit can be achieved for the community. This approach is supported by a McMaster University study undertaken in 2008 around a Hamilton area school which confirmed Nitrogen Oxide (NOx) levels were highest in the morning and afternoon pick-up times resulting in the poorest air quality readings (see the chart below). The Parking Enforcement Officers will patrol the City Hall No Idling Zone.

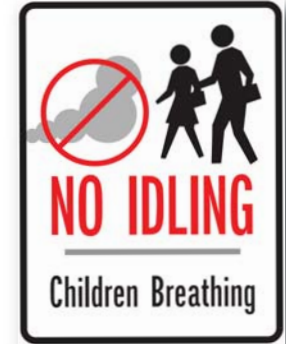


Source: "Vehicle Idling outside schools" February 25, 2008
Presented at the Upwind Downwind Conference Hamilton

D. Corr, P. DeLuca, J. Wallace, P. Kanaraglou
Roteck Environment, Centre for Spatial Analysis, McMaster University

Protect our children

Children are particularly vulnerable to smog and poor air quality because their lungs are still developing. Children spend more time outdoors being physically active, and they breathe faster than adults and inhale more air per kilogram of body weight. A child's breathing zone is lower than an adult's which exposes them to vehicle exhausts and heavier pollutants that concentrate at lower levels in the air. Finally, due to commuting traffic, smog is already at its daily peak when parents are picking up or dropping off students. Asthma rates in children are four times higher than they were 20 years ago...idling around schools doesn't help any of the above situations.



IN THE ZONE!

The "School No Idling Zone" covers all Cambridge schools within the Public and Catholic school boards and includes the parking lots as well as the adjacent streets. The "City Hall No Idling Zone" encompasses the buildings, adjacent streets, and parking lots associated with City Hall. To serve as a reminder "No Idling Zone" signs have been installed.



The exemptions to the by-law include engaged emergency vehicles, work vehicles with specialized machinery dependent upon a running engine, and vehicles with wheelchair or mobility assisted devices and lifts.

There are no exemptions for temperature or weather conditions.