

**TAKE
ACTION
NOW!**

- Idling Awareness Project Kit
- Web-based resources
- Speakers Bureau
- Climate Hero Pledge
- Educator Resources

Want more information?



Climate Change Saskatchewan

Call toll-free 1-866-887-8823 to book a speaker, or
check out www.climatechangesask.ca
150-10 Research Drive
Regina SK S4S 7J7

The Idle-Free Zone, <http://oee.nrcan.gc.ca/idling>

Transport Canada tips to reduce emissions at
<http://oee.nrcan.gc.ca/vehicles/home.cfm>



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Engine Off**
for our air.

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IDLE FREE ZONE



Idling Wastes Fuel, Contributes to Climate Change

- 🔦 Scientists believe that global warming is caused by the increasing concentrations of greenhouse gas emissions in the atmosphere. Carbon dioxide (CO₂), the most common greenhouse gas, is an unavoidable by-product of burning gasoline. These gases trap heat near the Earth's surface, causing temperatures to rise.
- 🔦 Climate change threatens to disrupt Canada's environment, putting our forests and water supply at risk, endangering certain plant and animal species and harming human health.
- 🔦 Passenger transportation is responsible for 18 per cent of Canada's total greenhouse gas emissions. In fact, in Saskatchewan, 43 per cent of our personal emissions come from our vehicles. For every litre of gasoline used, the average car produces about 2.4 kilograms of CO₂. Other tailpipe emissions are polluting the air we breathe.
- 🔦 A campaign in Toronto found that more than a third of parents idle their vehicles while waiting to pick up their children. A vehicle idling for 10 minutes a day uses more than 100 litres of gasoline per year. By turning engines off at school sites, parents can be part of the solution.
- 🔦 Children are particularly vulnerable to air pollution because they breathe faster than adults and inhale more air per kilogram of body weight. Air pollution can even trigger asthma and respiratory problems.
- 🔦 If every driver of a light-duty vehicle in Canada stopped idling for just five minutes, we would save 1.9 million litres of fuel worth more than \$1.3 million (assuming fuel costs 70 cents a litre). We would also prevent more than 4500 tonnes of CO₂ from entering the atmosphere.

Idling - Did You Know...?

1. Once a vehicle is running, the best way to warm it up is to drive it.
2. Ten seconds of idling uses more fuel than turning off the engine and restarting it.
3. Idling your vehicle with the air conditioner on can increase emissions by 13 per cent.
4. Emissions are still present and substantial even when you can't see the exhaust fumes.
5. In winter conditions, emissions from an idling vehicle are more than double the normal level immediately after a "cold start." Frost on the inside of windows is caused by excess moisture when the air inside cools. Leave a rear window open just a bit to allow the moisture to escape and use an ice scraper.
6. You need no more than 30 seconds of idling on most winter days before driving away, as long as the windows are defrosted.
7. In extremely cold weather, you only need about three minutes, as long as your windows are defrosted. It's a matter of common sense, we understand that on these extremely cold days that vehicles need more time to warm up, we just ask that people use their vehicles responsibly.
8. If the vehicle has a diesel engine, idling actually lowers the coolant temperature faster than shutting off the engine.
9. Using a block heater is a more efficient and effective way to warm the engine than idling. You don't need to leave a block heater plugged in overnight to warm the engine two hours is more than enough.

REDUCE VEHICLE IDLING

In Saskatchewan, transportation represents 43 per cent of our greenhouse gas emissions. Any reduction in vehicle idling therefore will have a significant impact on reducing emissions that contribute to climate change.

The bottom line? Idling wastes money because it burns fuel but doesn't get you anywhere!