



DriveSmart

and reduce vehicle idling

For translation of this brochure, please call
Burnaby Engineering at 294-7460.

Unnecessary vehicle idling harms your environment and your pocket book!

Get DriveSmart!

DriveSmart is the City of Burnaby's awareness-building program to reduce unnecessary vehicle idling and promote a cleaner environment. Vehicle emissions are a major source of greenhouse gases and a cause of global climate change. In addition, idling causes expensive wear on your vehicle's engine and consumes costly fuel.

Health Canada says more than 5,000 Canadians die prematurely each year because of air pollution, and thousands more are made ill. Children are more vulnerable because they inhale more air pollution per kilogram of body weight. Air pollution adversely affects elderly people and those with respiratory problems.



Adopt the "10 Second Rule"

If you're stopped for more than 10 seconds, except in traffic, turn your engine off!



Myth Busting

What are the Big Three myths about vehicle idling?

FALSE



Idling warms up the engine

The only way to warm up a vehicle is to drive it. Idling warms up the engine, but not the wheel bearings, steering, suspension, transmission or tires, which also need to be "warm" to maximize efficiency.

FALSE



Idling is good for the car

An idling engine does not operate at peak temperature, which means fuel combustion is incomplete, creating fuel residue and build up that can damage components.

FALSE



Shutting off your engine consumes more gas than idling

Frequently restarting the ignition adds roughly \$10 per year to the cost of maintaining engine components, which is easily recouped through fuel savings from reduced idling.

Be DriveSmart and save money!

Vehicle Operation

- Don't over-accelerate or brake sharply as this increases wear and tear and consumes more gas.
- Minimize your use of air conditioning to improve your fuel efficiency in summer. To stay cool at highway speeds, use your car's flow-through ventilation. When driving in the city, open a window.
- Your vehicle is less fuel efficient if it has to carry more weight. Keep excess weight to a minimum.
- Plan driving routes that reduce the amount of stopping.
- Don't waste fuel by sitting in the drive-through lane at your fast-food outlet. Instead, park and go inside!



Vehicle Maintenance

- A poorly maintained vehicle can boost fuel consumption by up to 50 percent and increase toxic emissions by even more. Schedule regular oil changes and exhaust systems checks.
- Each tire that is under-inflated by 2 psi (14 kPa) causes a 1 % increase in fuel consumption. Ensure your tires are inflated at the level suggested on your vehicle's information placard, which can be located on your vehicle using the owner's manual.
- Use tires designed to improve fuel economy. Check for reduced rolling resistance in the tire tread design.



Vehicle Purchase

- Choose the most fuel-efficient passenger vehicles sold in Canada.
- Choose hybrid or alternative-fuel vehicles. The Ministry of Small Business and Revenue provides information on Provincial tax breaks for new alternative fuel vehicles, including hybrids. Go to, www.env.gov.bc.ca/air/vehicle.
- Choose a conventional vehicle with a manual transmission, which uses up to 10% less fuel compared to most automatic transmissions.



Be DriveSmart and be part of the environmental solution!

Unnecessary vehicle idling

- Creates pollution that worsens respiratory problems and contributes to smog and global warming
- Wastes fuel: You're going literally "zero" kilometres to the litre
- Creates "wear and tear" on your engine and generates business for your mechanic



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Your knowledge is important

If every driver of a light duty vehicle avoided idling by five minutes a day, Canadians would save 1.8 million litres per day of fuel, almost 4,500 tonnes of greenhouse gas emissions, and almost \$2 million in fuel costs everyday (assuming fuel costs are \$1.10/L).



You contribute to a healthier environment

Reduce harmful greenhouse gas emissions to minimize your impact on climate change and smog formation.



You maximize the functionality of your engine

Save fuel and maintenance costs by idling less.



Teach Others!

- Spread the word to your family and friends.
- Telling your family and friends about the benefits of reduced idling will help them save money and help protect the environment too.

For further information please contact:

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