



SMART FUELLING

INSIDER

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A MESSAGE FROM SMART FUELLING

Welcome to the inaugural issue of the Smart Fuelling newsletter! Since it is our mission to encourage sustainability through positive action, each bi-monthly newsletter will feature articles and insights on how Canadians can use fuels more responsibly and efficiently to curb emissions, and work toward a better, cleaner tomorrow.

Now that the warmer weather has arrived, we are excited to share some spring driving tips to improve fuel efficiency. We are also pleased to share information on how to become a part of [Smart Fuelling](#), an update on industry sustainability efforts, and shine the spotlight on a Canadian city that has successfully adopted Smart Fuelling.

We hope you enjoy this issue!

COMMUNITY SPOTLIGHT: NORTH VANCOUVER



In the summer of 2016, the City of North Vancouver chose to move forward with Smart Fuelling as a positive, proactive, and creative way to reach its community and encourage drivers to consider energy efficient practices.

The program officially launched in the city in August 2016, and the City of North Vancouver became the first municipality in Canada to bring GHG information labels to gas station pumps. The new labels are now installed at all six gas stations in the municipality.



To learn more about the City of North Vancouver's numerous environmental sustainability efforts, please [click here](#).



THE TOP 10 WAYS TO IMPROVE YOUR CAR'S FUEL EFFICIENCY THIS SPRING

Many Canadians will be considering how to reduce their environmental impact – as well as their fuel costs – before hitting the road this spring. Here are our top 10 tips for improving your car's fuel efficiency now that warmer temperatures are on the horizon.



ENSURE OPTIMAL PRESSURE IN YOUR SUMMER TIRES



Under-inflated tires increase fuel consumption and reduce the life span of your tires.

DITCH THE REMOTE STARTER



Just 10 minutes of idling can burn up to 0.50 litres of fuel.

BOOK A SPRING TUNE-UP



Servicing your vehicle regularly helps ensure your vehicle is running efficiently.

REMOVE RACKS WHEN THEY ARE NOT IN USE



Every 25 kg of added cargo increases fuel consumption by 1 per cent in a mid-size car.



AVOID ROUGH ROADS

Your engine works harder in rough terrain such as gravel or sand.



USE CRUISE CONTROL WHENEVER POSSIBLE

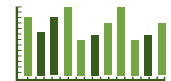
Varying your vehicle's speed between 75 km/h and 85 km/h every 18 seconds can increase your fuel use by 20 per cent.



OPEN WINDOWS SPARINGLY ON THE HIGHWAY

An open sunroof or window on the highway can increase your fuel consumption.

USE FUEL CONSUMPTION DISPLAY



Drivers can consume up to 15 per cent less fuel by acting on the feedback that fuel consumption displays provide.

CHOOSE YOUR ROUTE CAREFULLY



If two routes are a similar distance, choose the one with the straighter trajectory.

DRIVE LESS OFTEN



Consider using your bike or walking to reach your destination this spring to help reduce emissions.

The above information has been adapted from information provided by Natural Resources Canada and The Canadian Automobile Association

HOW CITIES CAN GET SMART TO SAVE ON FUEL: PART 1



We have a lot of ground to cover in Canada — almost 10 million square kilometres. For Canadians, transportation for personal mobility and the movement of goods is an essential component of our lives and [contributes directly to our economic well-being](#).

A big part of our [greenhouse gas \(GHG\) emissions](#) comes from vehicles, which account for 30 per cent of Canada's energy use and 24 per cent of emissions. Fifty per cent of those GHG emissions are from personal vehicle use.

Most of us — 75 per cent — live in or near urban centres, and by 2020 that percentage is projected to rise to 85 per cent. Communities account for 60 per cent of the country's energy use, and create more than half of the GHG emissions.

Investing in Smart Energy Communities can help us become more energy efficient, reduce our emissions, cut costs, improve reliability and stimulate the economy, and still go about our everyday lives.

Cities can change how they use their land

Changing how cities use land could significantly reduce transportation emissions and influence transportation options. According to a 2010 study by [QUEST](#), the best opportunity to influence GHG emissions and energy use starts with decisions made early on about land use and transportation. Smart planning could reduce energy use by 15 to 30 per cent, mostly by reducing the number of vehicular trips people take every day.

As cities continue to grow outward at a rapid pace — 160 per cent faster than city centres — efficient use of land is increasingly important to reduce the number and length of trips and ensure a wide range of transportation options. As an example, people who live outside the city limits are three times more likely to drive to their destination, which is problematic for conserving energy.

What cities can do: 3 ways to reduce energy use

According to Brent Gilmour and Tonja Leach from [QUEST](#), there are three main ways Smart Energy Communities can improve energy efficiency, enhance reliability and cut costs:

❶ Smart-energy cities look for ways to integrate energy networks to better co-ordinate sources — such as natural gas, electricity and transportation fuel networks — and match people's energy needs with the most efficient energy source. A good example of this is in Hamilton,

where the city worked with Union Gas to [capture biogas from a waste management facility](#). The biogas was cleaned to produce renewable natural gas (RNG) and then used to power some of the city's municipal fleet of vehicles.

❷ Smart cities find ways to harness local energy. In downtown Vancouver, one neighbourhood [recovers heat from the city's waste water](#), using it to supply up to 70 per cent of space and water heating needs for residents and businesses.

❸ Smart communities connect energy with local land use, as poor land-use decisions can lead to energy waste. In Toronto, all the buildings in the [Regent Park community](#) are being connected to a local system that will provide high-efficiency heating and cooling, and may also generate electricity from clean sources like solar, cogeneration and [geo-exchange](#).

Look for part 2 in the next edition of the Smart Fuelling newsletter.





SUSTAINABILITY EFFORTS IN THE FUEL INDUSTRY

The federal government recently [announced](#) that all provinces will be required to set a price on carbon by 2018, starting at \$10 per tonne. In addition to regulation, there are several initiatives undertaken by fuel retail sites across Canada to further promote sustainability on a local scale.

LED LIGHTING RETROFITS

Over \$300,000 in annual company savings



GOING GREEN



Using green products and reducing paper consumption through the use of online applications



IMPROVED WASTE MANAGEMENT

Enhanced recycling programs and semi-underground bins

AUTOMATIC TANK GAUGING & STRICT FUEL DELIVERY PROCEDURES



Preventing spills and overfills

ONGOING MAINTENANCE PROCEDURES



- ✓ Tank inspections
- ✓ Line testing
- ✓ Meter calibration
- ✓ Oil water separation programs



STRICT POTENTIAL LEAK INVESTIGATION PROCEDURES

Routine reviews of inventory

BECOME A PART OF SMART FUELLING

Want to join in our efforts to help Canadians improve their fuel efficiency and reduce greenhouse gases?

We are always looking for new industry partners and municipalities who want to inform and motivate consumers through Smart Fuelling. Whether it's a helpful fuel efficiency tip on a fuel pump, a handout at a gas station convenience store or information on your website, together, we can create a better, cleaner tomorrow.

Join North Vancouver and many other communities that have already implemented the program today! Call us at **(613) 470-8555**, or email us at admin@smartfuelling.ca, sign up to receive our updates on smartfuelling.ca. We look forward to the opportunity to partner with you to set a positive precedent to reach Canadians everywhere!