

## MEASURE YOUR FUEL ECONOMY, COST & EMISSIONS

**Fuel economy** is the amount of fuel it takes to travel a certain distance. It is usually expressed as the number of litres it takes to travel 100 kilometres (e.g. 8.5L/100km).

**Calculate** your fuel economy by recording how many litres of fuel your vehicle uses to travel 100 kilometres.

**Track** this number and make wiser choices to reduce your fuel consumption and emissions.

**Save** your fuel receipts – all the information you need is there.



...**Go** the same distance with less fuel.

### HOW TO:

- 1. Record Odometer Reading:** fill your tank and record the odometer reading in your fuel log. Every time you buy fuel, update the fuel log or save your receipt for later (eg. 16,000 km)
- 2. Record fuel purchase:** next time you buy fuel, record the date, odometer reading, amount of litres purchased, and fuel cost in your fuel log (eg. odometer: 16,500 km; Gas purchased: 50 litres; Total cost of gas @ \$1.35 per litre: \$67.50)
- 3. Record distance travelled:** subtract the two odometer readings to get the distance travelled since your last time at the pump (eg. 16,000 km – 16,500 km = 500 km travelled)
- 4. Calculate fuel economy:** divide the litres purchased by kilometres travelled and multiply this by 100

EXAMPLE ►

$50 \text{ L} \div 500 \text{ km} = 0.1 \text{ litres per km travelled}$   
 $0.1 \text{ L} \times 100 \text{ km} = 10 \text{ L}/100 \text{ km}$

- 5. Calculate fuel costs:** multiply the litres (from step 4 above) by current gasoline price (eg. 10 L x \$1.35 per litre = \$13.50 /100 km) to calculate cost to travel 100km
- 6. Calculate GHG emissions:** multiply total litres of fuel purchased by 2.3 kg for gas or 2.7 kg for diesel (eg. 50 L x 2.3 kg = 115 kg of GHG emissions)

## FUEL LOG

White boxes are from odometer and fuel receipt; yellow boxes are calculated

DATE	ODOMETER READING (Km)	FUEL PURCHASED (Litres)	TOTAL FUEL COST (\$)	DISTANCE TRAVELLED (Km)	FUEL ECONOMY (L/100Km)	FUEL COST (\$/100Km)	GHG EMISSIONS (Kg)
Jan 1/14	At start: 16,000 Km						
Jan 8/14	16,500 Km	50 Litres	\$67.50	500 Km	10 L/100 km	\$13.50	115 Kilograms
	<b>TOTALS:</b>						

EXAMPLE

### BE AWARE OF YOUR IMPACT. MAKE A PLEDGE HERE!

I pledge to improve my fuel economy and reduce my fuel consumption and my GHG emissions by driving and maintaining my vehicle for optimal fuel efficiency.

signature

date