



Cars, Office Buildings and Greenhouse Gas (GHG) Production

Each automobile that parks in the downtown area has produced GHG as it traveled from its home garage to work. In the course of a year you can imagine that it has produced “a lot” of those gases that are known to contribute to Climate Change. For your information, we have collected data that apply to the vehicles, which may typically be found in a parking lot on any given day.

In order to obtain a valid comparison, we based the numbers on *2002 models* and assumed travel of 24,000 kilometers per year.

<u>Car and Model</u>	<u>Production,</u>	<u>GHG</u> <u>Tonne per year</u>
Audi A4 – 4 cyl, 1.8 L		7.4
Audi A4 Avant Quattro		8.5
BMW 325i, 6cyl, 2.5L		7.8
Cadillac Eldorado – 8 cyl, 4.6 L		8.3
Cadillac Seville		8.3
Ford Escort		5.9
Ford Explorer – 4WD, 6 cyl, 4 L		10.3
Ford Expedition – 8 cyl, 5.4 L		12.4
Infiniti Q45 – 8 cyl, 4.5 L		8.6
Jaguar S type – 4 L		8.6
Lexus IS300 – 6 cyl, 3L		9.2

As you can see, each car that each building occupant drives produces “a lot” of GHG. For comparison purposes, did you know that the *a downtown Calgary Office building, of 500,000 square feet office space*, in the process of providing their tenants with lights, power to run your computers and photocopiers (and also to heat the building) *produces approximately 13,000 tonne of GHG per year.*

However, many of our clients are doing their best to reduce that contribution. For example, one modern building recently replaced the underground Parkade lights with more energy efficient types and, consequently, over the past year their GHG production has been **reduced by approximately 380 tonne**. As you can see this reduction is **equivalent to** the GHG that will be produced by **38 Ford Explorers or 64 Ford Escorts, over the next 12 months**.

C5 Plus Ltd provides our clients with advice on how to reduce energy in their operation. We also can assist you with finding a buyer for your GHG Credits.

There's much more information on our web site: www.c5plus.com

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