

CARBON FOOTPRINT CALCULATORS FOR BUSINESSES

Knowing where and how your energy is spent is the first step to effectively manage your costs and reduce carbon emissions. Start by using a carbon calculator to measure your carbon footprint, so you can make informed decisions on adopting measures to reduce emissions. (Note: Results may vary between greenhouse gas (GHG) calculators; use them as guides to help you prioritize areas where you can cut your emissions.)

If you work in a...

	We suggest...	Developed By:	Here's what you will find:
Business Office	Lifestyle Emissions Calculator	Carbon Zero	A generic calculator for a quick snapshot of your energy consumption. Simply enter the amount on your electricity and heating bills and it will convert them into greenhouse gas emissions. Go to: www.carbonzero.ca
	Office Carbon Calculators	The Green Office.com and Redefining Progress	A simple but comprehensive calculator that looks into more than just energy use in your business office. Waste stream and purchasing patterns are also calculated as part of your carbon footprint. One convenient feature is the option to enter the national average (US only) if data is not available. Go to: www.thegreenoffice.com/carboncalculator/calculator/
	David Suzuki Foundation/ Pembina Institute GHG Quantification Tool for Businesses and other Organizations	David Suzuki & Pembina Institute	This downloadable excel spreadsheet is a happy marriage between the complex calculator developed by GHG Protocol Initiative, and the oversimplified ones offered by carbon offsets companies. Great for business offices and SMEs with simple operations. Go to: www.davidsuzuki.org/files/climate/Carbon_neutral/DSF_Pembina_GHG_Quantification_Tool.xls
Industrial Facility	P2 GHG Calculator and Cost Savings Calculator	United States Environmental Protection Agency (USEPA)	A GHG Calculator tool to help quantify the linkages between P2 activities/strategies and GHG reductions. The GHG calculator was designed to assist P2 managers, staff, and grantees in calculating GHG reductions. Go to: www.oceta.on.ca/TORSUS/documents/GHG-Conversion-Tool-May2009.xlsm (with permission from USEPA P2 Program)
	Climate Change Management Tools for Low Emitters	United States Environmental Protection Agency (USEPA)	To perform a comprehensive and complete corporate-wide inventory of all GHG sources, this source will provide you the guide, the calculator, and the plan to help you calculate and track progress in reducing your emissions. Designed for various users: small to medium-sized companies with manufacturing plant(s), an owner of a single office building, a company that leases office space, or an institution. Go to: www.epa.gov/climateleaders/smallbiz/footprint.html
	Carbon Footprinting for SMEs in Canada	Dalhousie University's Eco-Efficiency Centre	In response to the lack of GHG benchmarks for SMEs within the same industries in Canada, this research centre has developed a free carbon calculator at no cost to collect these data. The tool explores six aspects of your operation: onsite fuel combustion, company owned-vehicle use, process emissions, electricity consumption, waste and business travel. Download its questionnaire to simplify the calculation. Go to: http://eco-efficiency.management.dal.ca/Services/Carbon_Footprinting/
	Openeco.org	Openeco.org	A global on-line community that provides free, easy-to-use tools to help participants assess, track, and compare energy performance, and share proven best practices to reduce greenhouse gas (GHG) emissions. Go to: www.openeco.org
	Energy Profiling	Toronto Hydro	Toronto Hydro clients can use Energy Profiling, a web-based tool, to help analyze and track your facility's utility data (electricity, gas and water consumption) and uncover ways to save. Go to: www.torontohydroenergy.com/solutions_profiling.html
Auto Parts Plant	APMA Energy Efficiency Project	Automotive Parts Manufacturers' Association (APMA)	APMA Energy Efficiency Project is a program to help members reduce energy use. The program includes access to a new, secure website that calculates carbon footprint, provides numerous energy saving calculations, energy inventory and access to funding programs. Go to: www.apma.ca/member-2/environment
To calculate GHG emissions of specific equipment or items, such as...	We suggest...	Developed By:	Here's what you will find:
Boilers	Boiler Efficiency Calculator	Natural Resources Canada	A calculator that specifically analyzes the efficiencies of steam boilers and high temperature water generators, helping companies make informed decisions about upgrading their systems, installing additional equipment, or replacing existing systems. Go to: http://oee.nrcan.gc.ca/industrial/technical-info/tools/boilers/
Motors	Canadian Motor Selection Tool	Natural Resources Canada	CanMOST is a software program that analyzes and compares the efficiency of three-phase electric motors. The calculation provides analysis for energy and demand savings, ROIs, operating costs of various motors, and more. Go to: http://oee.nrcan.gc.ca/industrial/equipment/software/intro.cfm?attr=20
Lighting	Simple Payback Calculator (Lighting)	Natural Resources Canada	Switching to energy-efficient lighting and turning lights off when not in use can help cut costs, which can be calculated using this tool. Go to: http://oee.nrcan.gc.ca/commercial/technical-info/tools/payback-lighting.cfm?attr=20
Paper	Paper Calculator	Environmental Defense Fund	You can start practicing green procurement by simply switching to higher recycled content paper. This comparison tool shows concrete environmental benefits of making better paper choices. Go to: http://www.edf.org/papercalculator/
Energy Star equipment	Energy Star Savings Calculator	Natural Resources Canada	A tool for procurement buyers and managers showing the direct economic and environmental benefits of purchasing an energy-efficient product. Product categories include office equipment, heating and air conditioner, lighting and signage, and commercial and industrial products. Go to: http://oee.nrcan.gc.ca/residential/business/energystar/procurement/calculator.cfm
Fleets	Workplace Idling Calculator	Natural Resources Canada	For distributors who own a fleet of vehicles, this calculator shows potential dollar savings and fuel reduction if drivers avoid idling. Go to: http://oee.nrcan.gc.ca/transportation/tools/calculators/Idling/idlingimpact-workplace.cfm