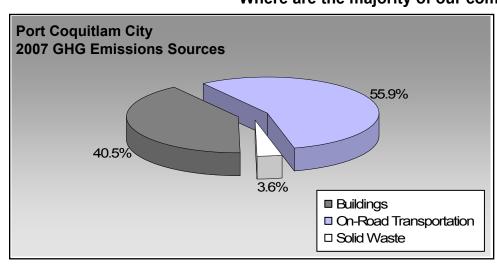
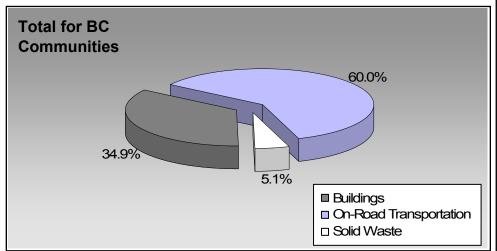


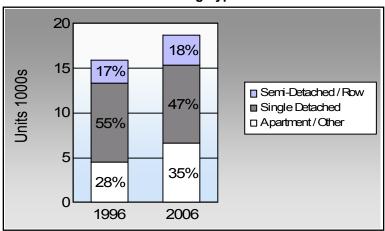
BC's Community Energy and Emission Inventories...supporting efforts towards Complete, Compact, Energy-Efficient Communities

Where are the majority of our community's emissions coming from?





Are we living more compactly? Housing Type



In BC, single family detached housing made up 49% of housing in 2006.

Are we driving less? Commute To Work

	1996	2006
	81.1%	76.5%
	6.1%	7.8%
	8.0%	10.7%
ķ	3.2%	2.7%
\$ 0	0.8%	1.0%

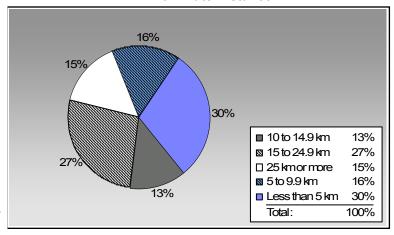
In BC, 10% of people took transit, 7% walked, and 2% cycled to work in 2006.

Residential Density

Port Coquitlam City: 27.8 people per net ha

BC municipal average: 7.4 people per net ha

Are we living closer to where we work? Commute Distance



In BC, 41% of people lived within 5km of their work in 2006.

For more information and to provide feedback on your Community Energy and Emissions Inventory (CEEI) Report see back page.



Sectors

On Road Transport	ation	Vehicles	Consumption	Measurement	Average-VKT(km)	Energy (GJ)	CO2e (t)
Small Passenger Cars	Gasoline	12,171	16,258,794	Litres	13,535	569,058	38,612
	Diesel Fuel	210	219,644	Litres	13,740	8,412	600
	Other Fuel	< 10	3,699	Litres	10,388	142	6
				Small Pa	assenger Cars	577,612	39,218
Large Passenger Cars	Gasoline	5,471	9,600,911	Litres	14,782	336,032	22,719
	Diesel Fuel	101	179,000	Litres	13,691	6,856	488
	Other Fuel	< 10	20,157	Litres	12,451	772	31
				Large Pa	assenger Cars	343,660	23,238
Light Trucks, Vans, SUVs	Gasoline	12,057	23,370,205	Litres	13,511	817,957	55,787
	Diesel Fuel	545	1,207,483	Litres	16,385	46,247	3,299
	Other Fuel	54	104,936	Litres	10,595	4,019	161
				Light Tr	ucks, Vans, SUVs	868,223	59,247
Commercial Vehicles	Gasoline	44	221,901	Litres	17,048	7,767	520
	Diesel Fuel	259	1,191,697	Litres	21,245	45,642	3,207
	Other Fuel	< 10	36,014	Litres	12,745	1,379	55
				Comme	rcial Vehicles	54,788	3,782
Tractor Trailer Trucks	Diesel Fuel	372	13,190,413	Litres	92,417	505,193	35,495
				Tractor	Trailer Trucks	505,193	35,495
Motorhomes	Gasoline	154	170,148	Litres	3,095	5,955	398
	Diesel Fuel	16	18,132	Litres	5,103	694	49
	Other Fuel	< 10	1,246	Litres	2,189	48	2
				Motorho	omes	6,697	449
Motorcycles, Mopeds	Gasoline	508	216,140	Litres	5,586	7,565	505
				Motorcy	cles, Mopeds	7,565	505
Bus	Gasoline	17	154,859	Litres	23,294	5,420	364
	Diesel Fuel	10	179,596	Litres	31,146	6,879	483
				Bus		12,299	847



On Road Transportation Totals	All Fuels:	2,376,037	162,781
	Other Fuel:	6,360	255
	Diesel:	619,923	43,621
	Gasoline:	1,749,754	118,905

Buildings	<u>Type</u>	Connections	Consumption	Measurement	Energy (GJ)	CO2e (t)
Residential	Electricity	18,387	183,400,034	Kilowatt Hours	660,240	4,524
	Natural Gas	13,356	1,256,415	GigaJoules	1,256,415	64,077
	Heating Oil		53,789	GigaJoules	53,789	3,792
	Propane		79,610	GigaJoules	79,610	4,857
			Residential		2,050,054	77,250
Commercial/Small-Medium Industrial	Electricity	2,441	190,696,728	Kilowatt Hours	686,508	4,704
	Natural Gas	1,532	707,889	GigaJoules	707,889	36,102
			Commercial/Sma	II-Medium Industrial	1,394,397	40,806
			Electr	city:	1,346,748	9,228
			Natura	al Gas:	1,964,304	100,179
			Propa	ne:	79,610	4,857
			Wood			
			Heatir	g Oil:	53,789	3,792
Buildings Totals			Buildi	ngs:	3,444,451	118,056

Solid Waste		Mass (t)	CO2e (t)
	Community Solid Waste	28,597	10,406



	Propane Solid Waste	79,610 28,597		79,610 0	4,857 10,406
	Other Fuel	166,052	_	6,360	255
	Natural Gas	1,964,304	GJ	1,964,304	100,179
	Heating Oil	53,789	GJ	53,789	3,792
	Gasoline	49,992,958	L	1,749,754	118,905
	Electricity	374,096,762	kWh	1,346,748	9,228
	Diesel Fuel	16,185,965	L	619,923	43,621
Grand Total		CONSUMPTION		ENERGY (GJ)	CO2e (t)

Memo Items

Buildings	<u>Type</u>	Connections	Consumption	Measurement	Energy (GJ)	<u>CO2e (t)</u>
Large Industrial	Electricity	2	withheld	Kilowatt Hours	-	-
	Natural Gas	13	494,337	GigaJoules	494,337	25,211
			Large Industrial		494,337	25,211



Supporting Indicators

Below you will find supporting indicators for which data is provided. These are the first five supporting indicators for which data is provided as a part of the updated 2007 CEEI. Columns with all zeros indicate data unavailable in these CEEI reports. Thirteen additional supporting indicators are under consideration for future reports (see next page). Local government feedback is requested on all supporting indicators. Please take the time to complete the short CEEI Survey at http://www.env.gov.bc.ca/cas/mitigation/ceei/index.html or contact us directly at CEEIRPT@gov.bc.ca

Housing Type - Private dwellings by structural type

Housing type is important for reducing building-related GHG emissions and energy consumption. A trend toward fewer single family dwellings indicates an increase in residential density, which is known to reduce transportation-related GHG emissions.

	199	96	200	1	2006	i	
	Units	%	Units	%	Units	%	
Single Detached House	8,805	36	9,270	52	8,725	47	
Semi-Detached House	495	2	670	4	605	3	
Row House	2,135	9	2,450	14	2,755	15	
Apartment, Duplex	1,600	6	1,935	11	2,765	15	
Apartment, 5 storeys or higher	10	0	0	0	0	0	
Apartment, under 5 storeys	2,825	11	3,365	19	3,800	20	
Other Single Attached House	10	0	15	0	15	0	
Movable Dwelling	55	0	45	0	45	0	

Residential Density

* Net of Crown land, parks, Indian Reserves, water features, airports, ALR,waste disposal sites.

Increasing residential densities is known to reduce vehicle use resulting in fewer transportation-related GHG emissions. There are many additional benefits from more compact development.

	2009
Population 56,	446.0
Net Land Area (ha) * 2,	033.4
Residential Density (people per net ha)	27.8

Commute to Work - Employed labour force - by mode of commute

An increase in the number of people choosing to walk, cycle and use transit reduces GHG emissions. More compact, complete, connected communities should see an increase in the use of these transportation modes.

	199	6	200	01	200	6	
	People	%	People	%	People	%	
Car, Truck, Van as Driver	18,250	81	20,255	81	20,650	76	
Car, Truck, Van as Passenge	1,380	6	1,720	7	2,110	8	
Public Transit	1,795	8	1,900	8	2,890	11	
Walked	725	3	840	3	735	3	
Bicycle	180	1	185	1	275	1	
Motorcycle	40	0	30	0	100	0	
Taxicab	20	0	10	0	35	0	
Other Method	110	0	125	1	210	1	

Commute Distance

Shorter commute distances generally reduce GHG emissions by increasing the likelihood of people walking, cycling or using transit. Commute distance is also indicative of the 'completeness' of a community from an employment perspective.

	200)6	
	People	%	
Less than 5 km	6,865	30	
5 to 9.9 km	3,575	16	
10 to 14.9 km	2,925	13	
15 to 24.9 km	6,195	27	
25 km or more	3,460	15	



Parks and Protected Greenspace

- * Total is net of Indian Reserves
- ** The quantity of parkland may be underestimated

Parks and protected greenspaces are important for the protection and enhancement of community carbon sinks.

	2009				
	Area (ha)	%			
National Parks	0.0	0.0			
Provincial Parks / Protected Areas	11.5	0.3			
Local Parks	476.4	14.1			
Agricultural Land Reserve	599.7	17.8			
Other land use	2,288.2	67.8			
Total Land Area	3,375.8	100.0			





Supporting Indicators Under Consideration

The following supporting indicators are under consideration for inclusion in future CEEI reports. The 2007 CEEI reports provide these 'placeholder' indicators to give indication of data that may be provided in the future by the Province on an ongoing basis to assist in monitoring actions to reduce GHG emissions and energy consumption. Please submit feedback to CEEIRPT@gov.bc.ca (see survey on CEEI website).

On-Road Transportation (and Land Use)

Proximity to Transit Persons, dwelling units (du) and employment within 400m of a quality transit stop/line

Proximity to Services Persons and dwelling units (du) within 400m of services (e.g. grocery store, school, other retail etc.)

Transit Ridership Annual per capita transit ridership

Buildings

Residential; Public Building

Energy Intensity

Floor Space

Average energy use per person per square metre of floor space

Average residential dwelling unit size

Solid Waste (and Water)

Waste Diversion Tonnes of waste diverted

Avoided Waste Emissions Tonnes of CO2e of avoided future emissions due to reduced waste since 2007

Water Use Per capita residential water use

Land-Use Change

Impervious Surface Cover % change in impervious surface cover

Tree Canopy Cover % change in tree canopy cover

Community and Renewable Energy Supply

District Energy # and energy output (e.g. buildings connected, energy consumed in GJ or kWh) of district energy systems by energy type (e.g.

renewable or non-renewable)

On-Site Renewable Energy # and energy output (in GJ or kWh) from households producing and/or consuming on-site renewable heat (e.g. biomass, solar

thermal, geo-exchange) and/or electrical (e.g. solar photovoltaic, small wind, small scale hydro) energy

Energy Recovery From Waste Energy (GJ or kWh) recovered from waste (e.g. from landfill gas, sewage treatment, industrial operations, farm)



Page 8 of 8 June 30, 2010

This is your local government's Updated 2007 Community Energy and Emissions Inventory (CEEI) Report

What is a CEEI Report?

CEEI Reports are a result of a multi-agency effort to provide a province-wide solution to assist local governments in BC to track and report on community-wide energy consumption and greenhouse gas (GHG) emissions every two years. CEEI Reports are one of the many resources available through the Climate Action Toolkit (http://www.toolkit.bc.ca), a web-based service provided through the ongoing collaboration between UBCM and the Province.

Why does my local government need a CEEI Report?

A community energy and GHG emissions inventory can be a valuable tool that helps local governments plan and implement GHG and energy management strategies, while at the same time strengthening broader sustainability planning at the local level. CEEI reports fulfill local governments' Climate Action Charter commitment to measure and report their community's GHG emissions profile, establish a base year inventory for local governments to consider as they develop targets, policies, and actions related to BC's *Local Government Act* requirements, and fulfill Milestone One requirements for those local government members of the Federation of Canadian Municipalities' (FCM's) Partners in Climate Protection (PCP) program.

A first in North America!

CEEI is a first in North America and a first step for BC communities. The 2007 CEEI Reports are based on best available province-wide data. The accuracy and detail of CEEI reports will continue to improve to meet increasing local and provincial government information needs. Improvements have been made from the original draft 2007 CEEI Reports posted in Spring 2009. These include estimates for residential heating oil, propane and wood use, breaking out small and medium from large industrial buildings, including updated land-use change and new agricultural sectors as 'memo items', and the first of a suite of 'supporting indicators'. Following the 2010 CEEI Reports, inventories will be generated every two years, and will continue to improve as government information needs, international protocols and new data sources emerge.

For More Information:

- The full list of all BC local government Updated 2007 CEEI Reports, CEEI Data Summary Report, Technical Methods and Guidance Document, and additional information on the Secondary Indicators are available at: http://www.env.gov.bc.ca/cas/mitigation/ceei/index.html.
- For guidance on target setting and community actions, go to http://www.cd.gov.bc.ca/lgd/greencommunities/targets.htm.

We Need Your Feedback:

- To continue to guide us on CEEI, particularly now with the new Indicators. Please take the time to complete the short CEEI Survey at http://www.env.gov.bc.ca/cas/mitigation/ceei/index.html or contact us directly at CEEIRPT@gov.bc.ca

Notice to the Reader: This CEEI Report uses information from a variety of sources to estimate GHG emissions. While the methodologies, assumptions and data used are intended to provide reasonable estimates of greenhouse gas emissions, the information presented in this report may not be appropriate for all purposes. The Province of BC and the data providers do not provide any warranty to the user or guarantee the accuracy or reliability of the data contained in this report. The user accepts responsibility for the ultimate use of such data. We need your help to make these reports better, where you do note inaccuracies, please contact us.