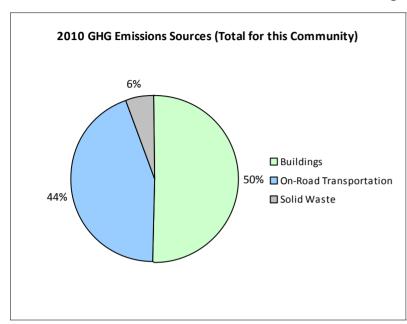
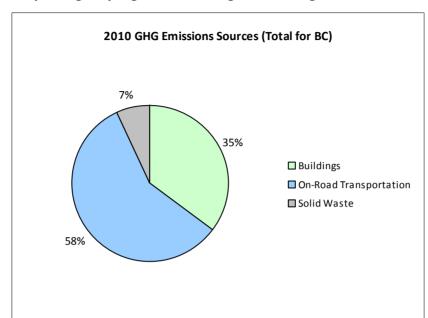
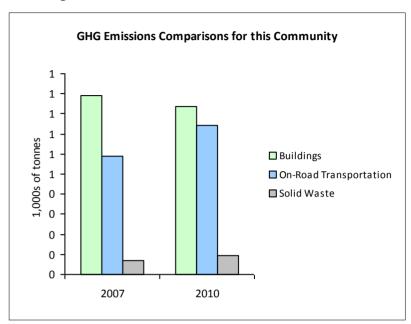


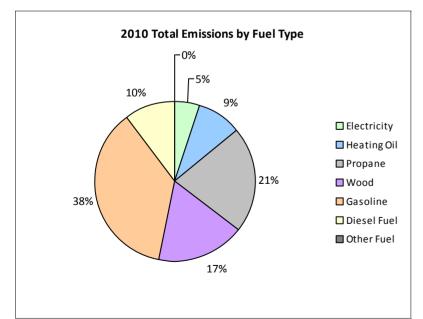
2010 Community Energy and Emissions Inventory

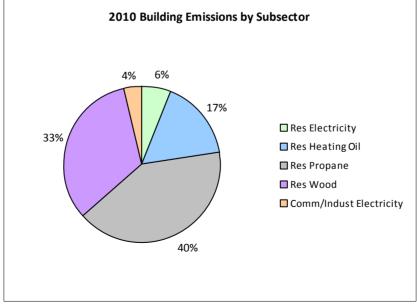
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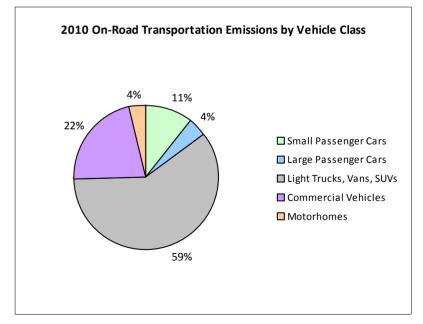














2010 Community Energy and Emissions Inventory

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Core Items

				2007					2010		
On-Road Transportation		Connections	Consumption	Avg VKT (km)	Energy (GJ)	C02e (t)	Connections	Consumption	Avg VKT (km)	Energy (GJ)	C02e (t)
Small Passenger Cars	Gasoline	22	29,203 L	14,100	1,022	69	23	31,025 L	14,500	1,086	69
	Diesel Fuel			15,900	42	3			30,000	157	12
Large Passenger Cars	Gasoline	10	19,010 L	16,500	666	47			16,600	459	30
Light Trucks, Vans, SUVs	Gasoline	49	151,539 L	20,800	5,303	362	65	181,760 L	18,900	6,362	412
	Diesel Fuel			15,100	106	7			13,800	388	27
	Other Fuel								9,500	30	2
Commercial Vehicles	Gasoline			23,200	697	47			19,400	815	52
	Diesel Fuel			23,100	755	53	10	42,891 L	25,200	1,642	112
Motorhomes	Gasoline								23,400	237	16
	Diesel Fuel								21,400	147	10
Totals		81	199,752 L	18,449	8,591	588	98	199,752 L	18,510	11,323	742

			20	007				2010	
Buildings		Connections	Consumption	Energy (GJ)	C02e (t)	Connections	Consumption	Energy (GJ)	C02e (t)
Residential	Wood	N/A	14,588 GJ	14,588	296	N/A	13,599 GJ	13,599	276
	Heating Oil	N/A	2,192 GJ	2,192	155	N/A	2,043 GJ	2,043	140
	Propane	N/A	5,961 GJ	5,961	364	N/A	5,557 GJ	5,557	339
	Electricity	199	2,001,115 kWh	7,204	50	205	2,054,827 kWh	7,397	51
Commercial/Small-Medium Industrial	Electricity	47	1,119,650 kWh	4,031	28	57	1,250,810 kWh	4,503	31
Totals		246		33,976	893	262		33,099	837

				2007				2010	
Solid Waste		Connections	Consumption	Energy (GJ)	C02e (t)	Connections	Consumption	Energy (GJ)	C02e (t)
Community Solid Waste	Solid Waste	0	131 t	N/A	68	0	164 t	N/A	92
Totals		0			68	0			92

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Totals for Transportation, Buildings and Solid Waste

	2007 (Pd	opulation: 244)		2010 (Population: 278)			
Fuel Type	Consumption	Energy (GJ)	C02e (t)	Consumption	Energy (GJ)	C02e (t)	
Gasoline	199,752 L	7,688	525	212,785 L	8,959	579	
Diesel Fuel	0 L	903	63	42,891 L	2,334	161	
Other Fuel	0 L	0		0 L	30	2	
Wood	14,588 GJ	14,588	296	13,599 GJ	13,599	276	
Heating Oil	2,192 GJ	2,192	155	2,043 GJ	2,043	140	
Propane	5,961 GJ	5,961	364	5,557 GJ	5,557	339	
Electricity	3,120,765 kWh	11,235	78	3,305,637 kWh	11,900	82	
Solid Waste	131 t	0	68	164 t	0	92	
Grand Totals		42,567	1,549		44,422	1,671	



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Supporting Indicators

No new supporting indicator data have been provided in the 2010 reports. Work is currently underway to produce a complete second round of data for the indicators below in the 2012 reports (available in 2014). In the interim, we are including the same supporting indicator data that was provided in the 2007 reports. Feedback is requested on all supporting indicators; please contact us directly at

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.

	1996		2001		2006	
	Units	%	Units	%	Units	%
Single Detached House			100	77	85	68
Semi-Detached House			0	0	0	0
Row House			20	15	15	12
Apartment, Duplex			0	0	5	4
Apartment, 5 storeys or higher			0	0	0	0
Apartment, under 5 storeys			10	8	10	8
Other Single Attached House			0	0	5	4
Movable Dwelling			0	0	5	4

Parks and Protected Greenspace

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

	200	9
	Units	%
National Parks	0	0
Provincial Parks / Protected Areas	0	0
Local Parks	0	0
Agricultural Land Reserve	0	0
Other land use		
Total Parks and Protected Area	0	0
Total Land Area	15,890	100

^{*} Total is net of Indian Reserves

Residential Density

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)
	Units	%
National Parks	0	0
Provincial Parks / Protected Areas	0	0
Local Parks	0	0
Agricultural Land Reserve	0	0
Other land use		
Total Parks and Protected Area	0	0
Total Land Area	15,890	100

^{*} Net of Crown land, parks, Indian Reserves, water features, airports, ALR, waste disposal site

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.

	1996		2001		2006	
	Units	%	Units	%	Units	%
Car, Truck, Van as Driver	0	0	45	50	75	56
Car, Truck, Van as Passenger	0	0	0	0	35	26
Public Transit	0	0	0	0	0	0
Walked	0	0	35	39	25	19
Bicycle	0	0	10	11	0	0
Motorcycle	0	0	0	0	0	0
Taxicab	0	0	0	0	0	0
Other Method	0	0	0	0	0	0

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.

	2006		
	Units	%	
Less than 5 km	75	63	
5 to 9.9 km	0	0	
25 km or more	35	29	
15 to 24.9 km	10	8	
10 to 14.9 km	0	0	

^{**} Quantity of parkland may be underestimated

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Supporting Indicators Under Consideration

Work is currently underway to produce a complete second round of supporting indicators for the 2012 reports (available in 2014). These reports will new data for the five supporting indicators included in the 2007 and 2010 Reports:

- Housing Type: Private dwellings by structural type
- Commute to Work: Employed labour force by mode of commute
- Commute Distance
- Residential Density
- Parks and Protected Greenspace

And in addition, the 2012 reports we are working to be able to include:

- Proximity to Transit
- Building Energy Intensity
- Building Floor Space
- Waste Diversion

We are continuing to work towards reporting on even more supporting indicators in the future including:

- Proximity to Services (e.g destinations such as grocery store, school, other retail etc.)
- Transit Ridership
- Water Use
- Impervious Surface Cover: % change in impervious surface cover
- Tree Canopy Cover: % change in tree canopy cover
- 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)

Please give us feedback by contacting us directly at CEEIRPT@gov.bc.ca

Many local governments have been undertaking a significant amount of climate action in both the corporate and community-wide spheres, as demonstrated in both the public reports from the Climate Action Revenue Incentive Program (CARIP) http://www.cscd.gov.bc.ca/lgd/greencommunities/carip.htm, and on the http://toolkit.bc.ca website. These two resources may be helpful to those who are interested in learning from other BC local governments. The toolkit also contains additional information and resources including decision-support/planning frameworks and tools for undertaking actions to reduce GHG emissions and energy consumption.

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This is your local government's 2010 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 as well as supporting indicators 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, fulfill Milestone One requirements for those local government members of the Federation of Canadian Municipalities' (FCM's) Partners in Climate Protection (PCP) program, as well as supporting local government efforts to monitor progress towards Regional Growth Strategy objectives.

A first in North America!

CEEI is a first in North America and a first step for BC communities. The 2010 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 from large industrial buildings, including updated land-use change and new agricultural sectors as 'memo items'. 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 2010 CEEI Reports, User Guide, Technical Methods and Guidance Document, and additional information on the Supporting 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.toolkit.bc.ca and http://www.cd.gov.bc.ca/lgd/greencommunities/targets.htm

We Need Your Feedback

To continue to guide us on CEEI, please take the time to 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,