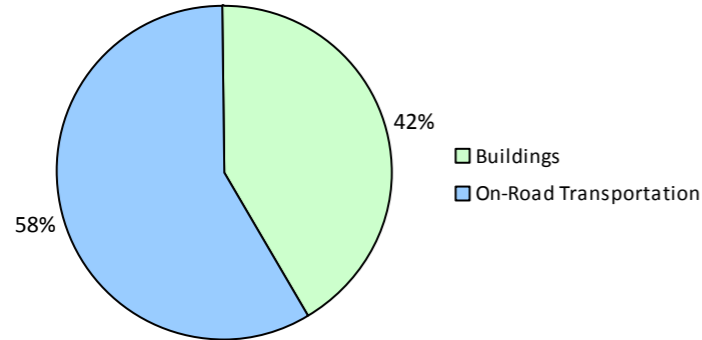
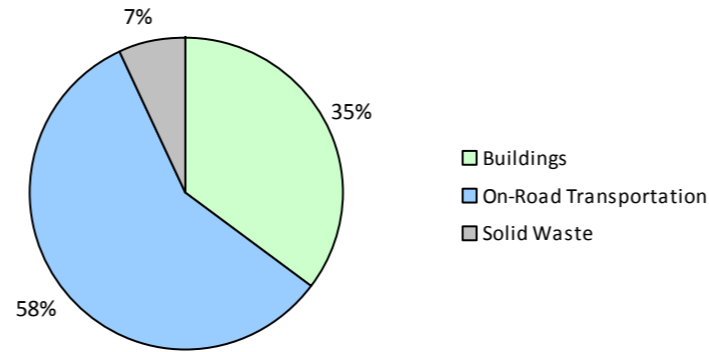


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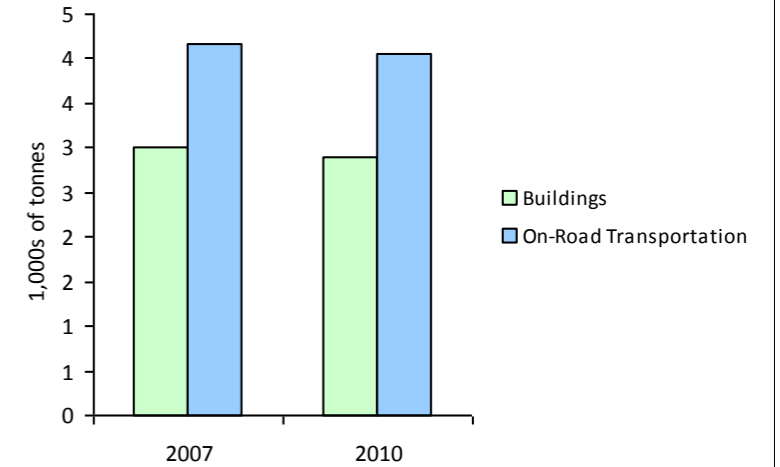
2010 GHG Emissions Sources (Total for this Community)



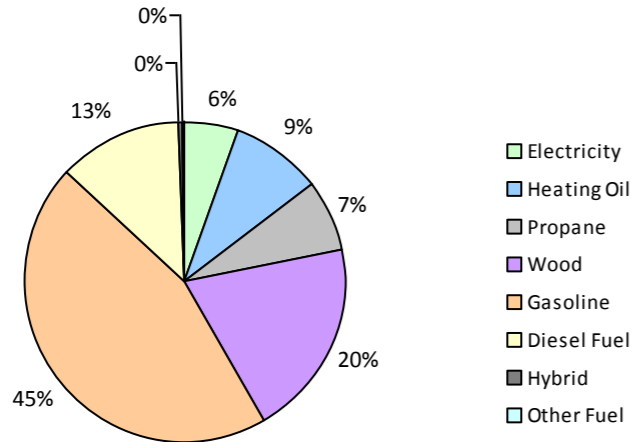
2010 GHG Emissions Sources (Total for BC)



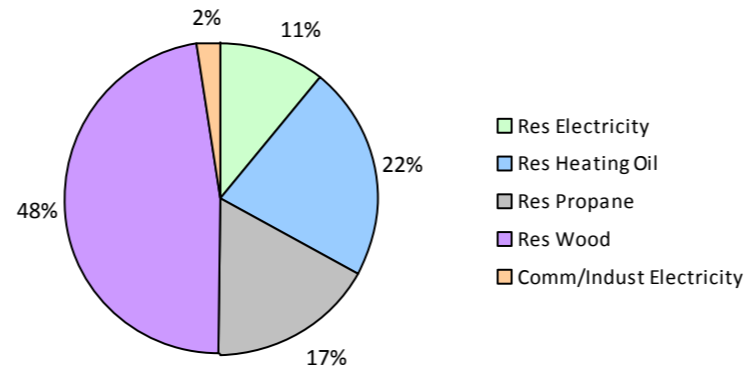
GHG Emissions Comparisons for this Community



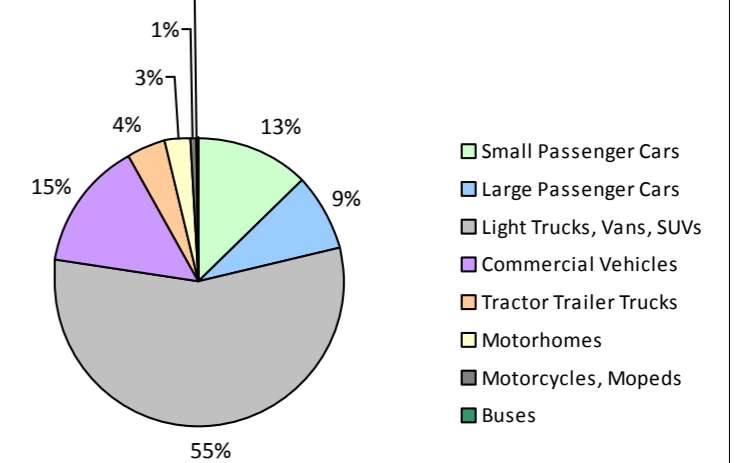
2010 Total Emissions by Fuel Type



2010 Building Emissions by Subsector



2010 On-Road Transportation Emissions by Vehicle Class



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Core Items

On-Road Transportation		2007					2010				
		Connections	Consumption	Avg VKT (km)	Energy (GJ)	CO2e (t)	Connections	Consumption	Avg VKT (km)	Energy (GJ)	CO2e (t)
Small Passenger Cars	Hybrid			14,300	71	4			10,700	55	4
	Gasoline	278	240,086 L	9,000	8,403	579	257	219,615 L	8,900	7,686	501
	Diesel Fuel	16	10,839 L	9,700	415	29	10	6,442 L	9,500	247	16
	Other Fuel								10,200	23	0
Large Passenger Cars	Hybrid			11,800	55	4			11,800	101	7
	Gasoline	135	157,282 L	9,900	5,504	380	128	142,457 L	9,600	4,987	325
	Diesel Fuel			9,000	139	11			10,300	192	13
	Other Fuel			8,600	28	0			13,700	5	0
Light Trucks, Vans, SUVs	Gasoline	546	861,593 L	11,200	30,157	2,081	584	905,008 L	11,000	31,675	2,070
	Diesel Fuel	50	96,290 L	11,000	3,688	262	34	67,441 L	11,400	2,583	177
	Other Fuel	10	14,490 L	8,700	366	22			8,900	189	12
Commercial Vehicles	Gasoline	34	64,268 L	11,300	2,250	150	35	65,953 L	11,200	2,308	147
	Diesel Fuel	45	128,471 L	14,500	4,920	345	51	166,945 L	17,000	6,395	436
	Other Fuel			8,400	116	7			9,100	87	6
Tractor Trailer Trucks	Diesel Fuel	12	62,403 L	12,600	2,390	167	13	69,260 L	13,400	2,652	180
Motorhomes	Gasoline	14	31,310 L	16,600	1,096	72	15	33,073 L	16,200	1,157	73
	Diesel Fuel			14,600	463	33			16,300	675	46
Motorcycles, Mopeds	Gasoline	36	6,744 L	4,300	236	16	37	9,609 L	6,100	338	21
Buses	Gasoline								10,700	58	3
	Diesel Fuel			18,000	196	14			11,300	53	3
	Other Fuel								10,900	46	4
Totals		1,176	1,673,776 L	10,477	60,493	4,176	1,164	1,673,776 L	10,588	61,512	4,044

Buildings		2007				2010			
		Connections	Consumption	Energy (GJ)	CO2e (t)	Connections	Consumption	Energy (GJ)	CO2e (t)
Residential	Wood	N/A	70,277 GJ	70,277	1,424	N/A	68,169 GJ	68,169	1,381
	Heating Oil	N/A	9,319 GJ	9,319	657	N/A	9,040 GJ	9,040	637
	Propane	N/A	8,417 GJ	8,417	514	N/A	8,165 GJ	8,165	498
	Electricity	1,072	13,557,859 kWh	48,808	339	1,060	12,825,302 kWh	46,171	321
Commercial/Small-Medium Industrial	Electricity	102	2,642,023 kWh	9,511	66	105	2,692,003 kWh	9,691	67
Totals		1,174		146,332	3,000	1,165		141,236	2,904

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Totals for Transportation, Buildings and Solid Waste

Fuel Type	2007 (Population: 1,234)			2010 (Population: 1,162)		
	Consumption	Energy (GJ)	CO2e (t)	Consumption	Energy (GJ)	CO2e (t)
Hybrid	0 L	126	8	0 L	156	11
Gasoline	1,361,283 L	47,646	3,278	1,375,715 L	48,209	3,140
Diesel Fuel	298,003 L	12,211	861	310,088 L	12,797	871
Other Fuel	14,490 L	510	29	0 L	350	22
Wood	70,277 GJ	70,277	1,424	68,169 GJ	68,169	1,381
Heating Oil	9,319 GJ	9,319	657	9,040 GJ	9,040	637
Propane	8,417 GJ	8,417	514	8,165 GJ	8,165	498
Electricity	16,199,882 kWh	58,319	405	15,517,305 kWh	55,862	388
Grand Totals		206,825	7,176		202,748	6,948

Monitoring and reporting on progress towards greenhouse gas emissions reduction targets

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	465	89	505	93	600	90
Semi-Detached House	0	0	5	1	0	0
Row House	15	3	15	3	15	2
Apartment, Duplex	10	2	5	1	5	1
Apartment, 5 storeys or higher	0	0	0	0	0	0
Apartment, under 5 storeys	0	0	5	1	5	1
Other Single Attached House	0	0	0	0	5	1
Movable Dwelling	35	7	10	2	40	6

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	200	58	245	92	345	72
Car, Truck, Van as Passenger	40	12	0	0	30	6
Public Transit	0	0	0	0	10	2
Walked	50	14	0	0	70	15
Bicycle	30	9	10	4	10	2
Motorcycle	0	0	0	0	0	0
Taxicab	0	0	0	0	0	0
Other Method	25	7	10	4	15	3

Parks and Protected Greenspace

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

	2009	
	Units	%
National Parks	0	0
Provincial Parks / Protected Areas	458	8
Local Parks	286	5
Agricultural Land Reserve	381	6
Other land use	4,900	81
Total Parks and Protected Area	745	12
Total Land Area	6,025	100

* Total is net of Indian Reserves
 ** Quantity of parkland may be underestimated

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	458	8
Local Parks	286	5
Agricultural Land Reserve	381	6
Other land use	4,900	81
Total Parks and Protected Area	745	12
Total Land Area	6,025	100

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

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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.

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,