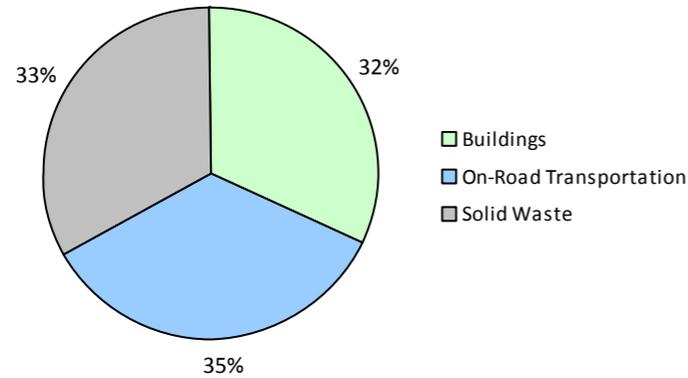
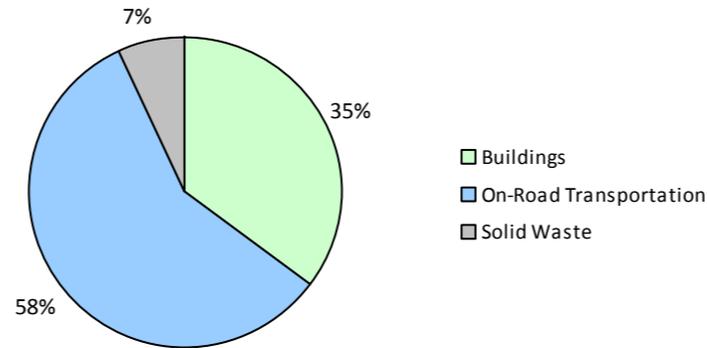


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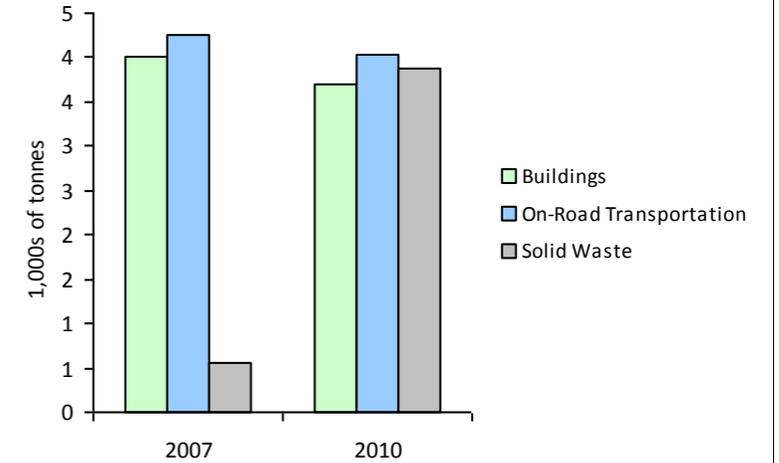
2010 GHG Emissions Sources (Total for this Community)



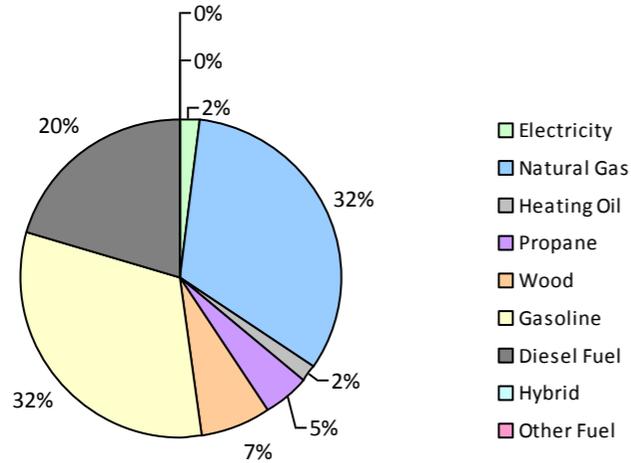
2010 GHG Emissions Sources (Total for BC)



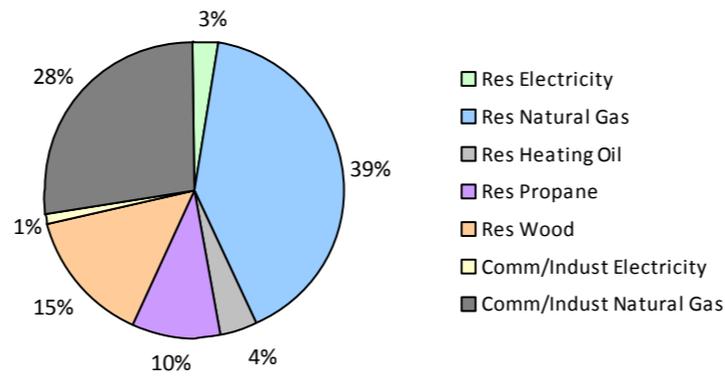
GHG Emissions Comparisons for this Community



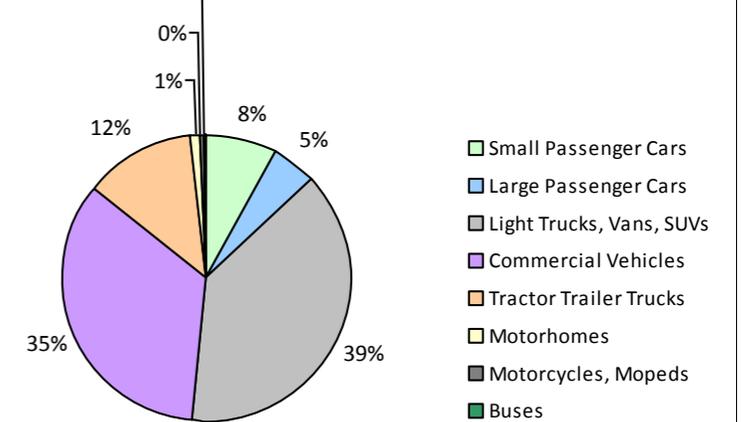
2010 Total Emissions by Fuel Type



2010 Building Emissions by Subsector



2010 On-Road Transportation Emissions by Vehicle Class



Monitoring and reporting on progress towards greenhouse gas emissions reduction targets

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							28,700	45	4	
	Gasoline	67	127,606 L	20,200	4,466	300	71	133,377 L	19,900	4,669	298
	Diesel Fuel			25,400	265	19		23,100	249	17	
Large Passenger Cars	Hybrid			33,900	62	4					
	Gasoline	42	101,832 L	21,500	3,564	240	40	90,683 L	20,100	3,174	202
	Diesel Fuel			23,300	75	4		12,800	82	6	
Light Trucks, Vans, SUVs	Gasoline	196	624,185 L	21,200	21,846	1,484	209	649,044 L	20,800	22,717	1,467
	Diesel Fuel	14	34,504 L	13,900	1,321	94	10	26,288 L	14,900	1,007	69
	Other Fuel			10,900	142	9		8,500	76	4	
Commercial Vehicles	Gasoline	41	156,152 L	22,400	5,465	367	51	195,187 L	22,400	6,831	438
	Diesel Fuel	71	308,815 L	24,500	11,827	831	76	362,693 L	26,900	13,891	947
Tractor Trailer Trucks	Gasoline			11,400	103	8		10,600	96	6	
	Diesel Fuel	15	311,773 L	48,300	11,941	839	16	190,338 L	28,600	7,289	497
Motorhomes	Gasoline			21,200	216	15		17,300	442	28	
	Diesel Fuel			15,400	215	16		17,700	389	27	
	Other Fuel			15,500	59	4					
Motorcycles, Mopeds	Gasoline							7,100	93	6	
Buses	Gasoline			22,000	122	8		15,500	177	11	
	Diesel Fuel			11,400	126	10					
Totals		446	1,664,867 L	22,396	61,815	4,252	473	1,664,867 L	21,897	61,227	4,027

Buildings		2007				2010			
		Connections	Consumption	Energy (GJ)	CO2e (t)	Connections	Consumption	Energy (GJ)	CO2e (t)
Residential	Wood	N/A	28,848 GJ	28,848	584	N/A	26,893 GJ	26,893	545
	Heating Oil	N/A	2,295 GJ	2,295	162	N/A	2,139 GJ	2,139	146
	Propane	N/A	6,220 GJ	6,220	379	N/A	5,798 GJ	5,798	354
	Natural Gas	338	32,386 GJ	32,386	1,624	337	29,533 GJ	29,533	1,481
	Electricity	425	4,284,638 kWh	15,425	107	426	4,187,779 kWh	15,076	105
Commercial/Small-Medium Industrial	Natural Gas	47	21,933 GJ	21,933	1,100	42	20,464 GJ	20,464	1,026
	Electricity	60	1,914,353 kWh	6,892	48	63	1,734,436 kWh	6,244	43
Totals		870		113,999	4,004	868		106,147	3,700

Hudson's Hope District Municipality 2010 Community Energy and Emissions Inventory

Monitoring and reporting on progress towards greenhouse gas emissions reduction targets

Solid Waste		2007				2010			
		Connections	Consumption	Energy (GJ)	CO2e (t)	Connections	Consumption	Energy (GJ)	CO2e (t)
Community Solid Waste	Solid Waste	0	509 t	N/A	552	0	2,685 t	N/A	3,869
Totals		0			552	0			3,869

Totals for Transportation, Buildings and Solid Waste

Fuel Type	2007 (Population: 1,009)			2010 (Population: 1,056)		
	Consumption	Energy (GJ)	CO2e (t)	Consumption	Energy (GJ)	CO2e (t)
Hybrid	0 L	62	4	0 L	45	4
Gasoline	1,009,775 L	35,782	2,422	1,068,291 L	38,199	2,456
Diesel Fuel	655,092 L	25,770	1,813	579,319 L	22,907	1,563
Other Fuel	0 L	201	13	0 L	76	4
Wood	28,848 GJ	28,848	584	26,893 GJ	26,893	545
Heating Oil	2,295 GJ	2,295	162	2,139 GJ	2,139	146
Propane	6,220 GJ	6,220	379	5,798 GJ	5,798	354
Natural Gas	54,319 GJ	54,319	2,724	49,997 GJ	49,997	2,507
Electricity	6,198,991 kWh	22,317	155	5,922,215 kWh	21,320	148
Solid Waste	509 t	0	552	2,685 t	0	3,869
Grand Totals		175,814	8,808		167,374	11,596

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	370	47	300	72	390	92
Semi-Detached House	0	0	0	0	0	0
Row House	25	3	5	1	10	2
Apartment, Duplex	0	0	5	1	0	0
Apartment, 5 storeys or higher	0	0	0	0	0	0
Apartment, under 5 storeys	15	2	5	1	15	4
Other Single Attached House	0	0	0	0	0	0
Movable Dwelling	15	2	100	24	10	2

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	260	65	240	75	335	74
Car, Truck, Van as Passenger	60	15	15	5	30	7
Public Transit	0	0	20	6	0	0
Walked	55	14	45	14	75	16
Bicycle	0	0	0	0	0	0
Motorcycle	0	0	0	0	0	0
Taxicab	0	0	0	0	0	0
Other Method	25	6	0	0	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	110	0
Local Parks	375	0
Agricultural Land Reserve	37,742	40
Other land use	55,172	59
Total Parks and Protected Area	486	1
Total Land Area	93,400	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	110	0
Local Parks	375	0
Agricultural Land Reserve	37,742	40
Other land use	55,172	59
Total Parks and Protected Area	486	1
Total Land Area	93,400	100

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

Hudson's Hope District Municipality
2010 Community Energy and Emissions Inventory

Monitoring and reporting on progress towards greenhouse gas emissions reduction targets

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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,