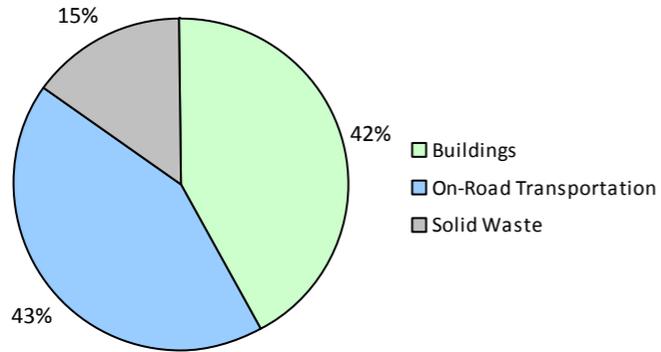
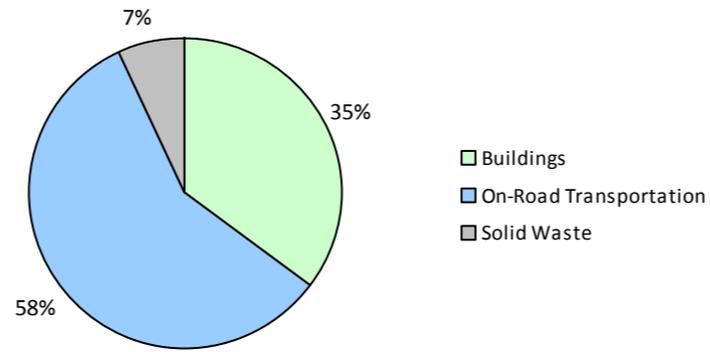


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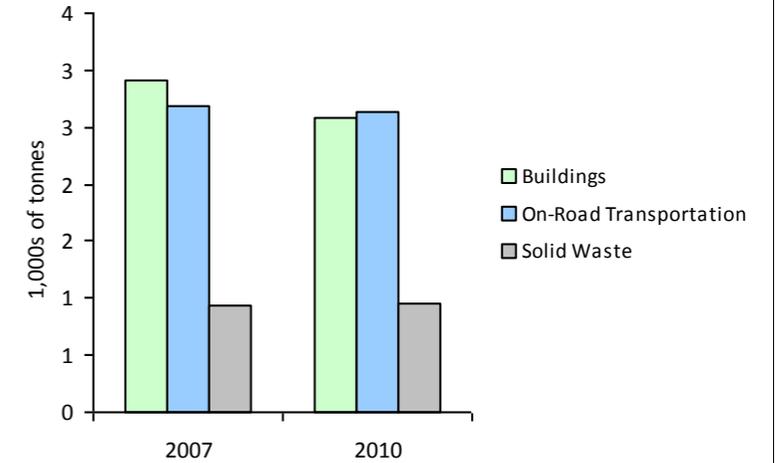
**2010 GHG Emissions Sources (Total for this Community)**



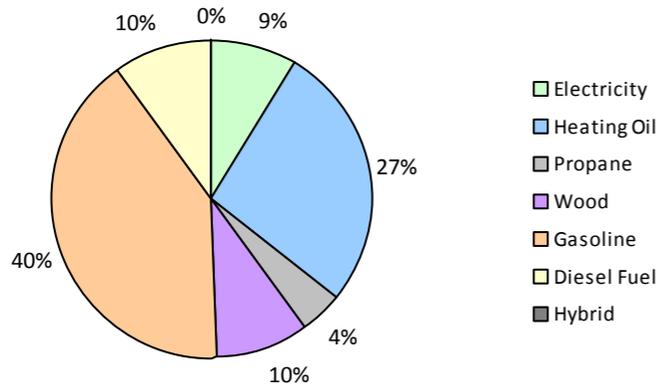
**2010 GHG Emissions Sources (Total for BC)**



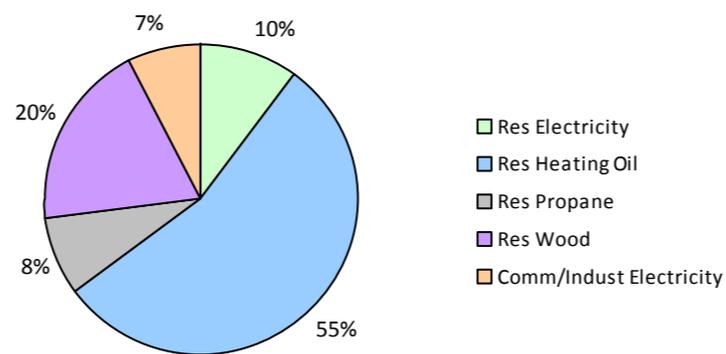
**GHG Emissions Comparisons for this Community**



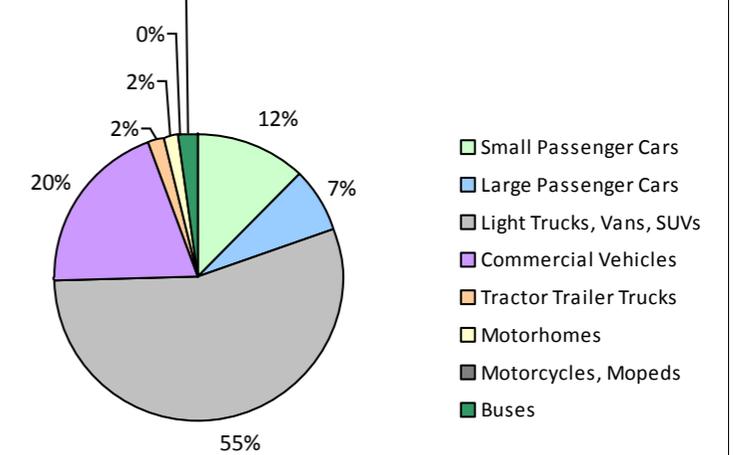
**2010 Total Emissions by Fuel Type**



**2010 Building Emissions by Subsector**



**2010 On-Road Transportation Emissions by Vehicle Class**



## Gold River Village 2010 Community Energy and Emissions Inventory

*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)	C02e (t)	Connections	Consumption	Avg VKT (km)	Energy (GJ)	C02e (t)
Small Passenger Cars	Hybrid			17,100	5,055	339			14,300	30	1
	Gasoline	91	144,441 L	17,100	5,055	339	97	142,258 L	15,800	4,979	316
	Diesel Fuel			20,200	204	15			16,000	164	12
Large Passenger Cars	Hybrid			27,900	59	4			22,700	88	4
	Gasoline	50	95,466 L	17,200	3,342	225	44	81,574 L	16,700	2,855	182
	Diesel Fuel			9,600	73	7		9,800	75	5	
Light Trucks, Vans, SUVs	Gasoline	214	605,293 L	19,900	21,185	1,436	227	615,655 L	19,000	21,548	1,389
	Diesel Fuel	13	25,086 L	10,800	961	69			13,000	774	54
	Other Fuel			8,600	37	3					
Commercial Vehicles	Gasoline	24	89,045 L	22,000	3,116	209	26	81,618 L	18,600	2,856	183
	Diesel Fuel	26	88,454 L	19,800	3,388	238	36	131,757 L	21,100	5,045	344
Tractor Trailer Trucks	Diesel Fuel			22,400	715	50			15,200	681	46
Motorhomes	Gasoline			16,100	330	22			16,300	411	26
	Diesel Fuel			17,800	243	17			13,900	305	20
Motorcycles, Mopeds	Gasoline			5,900	82	6	12	3,294 L	6,200	115	6
Buses	Gasoline								18,600	105	8
	Diesel Fuel			18,600	530	38			21,500	587	40
<b>Totals</b>		<b>418</b>	<b>1,047,785 L</b>	<b>18,799</b>	<b>39,320</b>	<b>2,678</b>	<b>442</b>	<b>1,047,785 L</b>	<b>17,869</b>	<b>40,618</b>	<b>2,636</b>

Buildings		2007				2010			
		Connections	Consumption	Energy (GJ)	C02e (t)	Connections	Consumption	Energy (GJ)	C02e (t)
Residential	Wood	N/A	25,508 GJ	25,508	517	N/A	24,693 GJ	24,693	500
	Heating Oil	N/A	21,250 GJ	21,250	1,498	N/A	20,571 GJ	20,571	1,407
	Propane	N/A	3,659 GJ	3,659	223	N/A	3,542 GJ	3,542	216
	Electricity	756	12,651,728 kWh	45,546	316	729	10,650,987 kWh	38,344	266
Commercial/Small-Medium Industrial	Electricity	120	14,509,357 kWh	52,234	363	120	7,719,998 kWh	27,792	193
<b>Totals</b>		<b>876</b>		<b>148,197</b>	<b>2,917</b>	<b>849</b>		<b>114,942</b>	<b>2,582</b>

## Gold River Village 2010 Community Energy and Emissions Inventory

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Solid Waste	2007				2010			
	Connections	Consumption	Energy (GJ)	CO2e (t)	Connections	Consumption	Energy (GJ)	CO2e (t)
Community Solid Waste      Solid Waste	0	983 t	N/A	940	0	866 t	N/A	947
<b>Totals</b>	<b>0</b>			<b>940</b>	<b>0</b>			<b>947</b>

### Memo Items

Buildings	2007				2010			
	Connections	Consumption	Energy (GJ)	CO2e (t)	Connections	Consumption	Energy (GJ)	CO2e (t)
Large Industrial      Electricity					1		0	0
<b>Totals</b>	<b>0</b>				<b>1</b>			<b>0</b>

### Totals for Transportation, Buildings and Solid Waste

Fuel Type	2007 (Population: 1,411)			2010 (Population: 1,411)		
	Consumption	Energy (GJ)	CO2e (t)	Consumption	Energy (GJ)	CO2e (t)
Hybrid	0 L	59	4	0 L	118	5
Gasoline	934,245 L	33,110	2,237	924,399 L	32,869	2,110
Diesel Fuel	113,540 L	6,114	434	131,757 L	7,631	521
Other Fuel	0 L	37	3	0 L	0	
Wood	25,508 GJ	25,508	517	24,693 GJ	24,693	500
Heating Oil	21,250 GJ	21,250	1,498	20,571 GJ	20,571	1,407
Propane	3,659 GJ	3,659	223	3,542 GJ	3,542	216
Electricity	27,161,085 kWh	97,780	679	18,370,985 kWh	66,136	459
Solid Waste	983 t	0	940	866 t	0	947
<b>Grand Totals</b>		<b>187,517</b>	<b>6,535</b>		<b>155,560</b>	<b>6,165</b>

### 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	415	37	340	63	430	75
Semi-Detached House	10	1	10	2	10	2
Row House	135	12	80	15	95	17
Apartment, Duplex	0	0	5	1	0	0
Apartment, 5 storeys or higher	0	0	0	0	0	0
Apartment, under 5 storeys	70	6	30	6	35	6
Other Single Attached House	0	0	0	0	5	1
Movable Dwelling	65	6	75	14	0	0

#### 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	660	63	370	75	425	65
Car, Truck, Van as Passenger	170	16	15	3	45	7
Public Transit	0	0	0	0	0	0
Walked	225	21	100	20	120	18
Bicycle	0	0	10	2	25	4
Motorcycle	0	0	0	0	0	0
Taxicab	0	0	0	0	0	0
Other Method	0	0	0	0	35	5

#### 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	0	0
Local Parks	6	1
Agricultural Land Reserve	0	0
Other land use	1,090	99
Total Parks and Protected Area	6	1
Total Land Area	1,097	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	0	0
Local Parks	6	1
Agricultural Land Reserve	0	0
Other land use	1,090	99
Total Parks and Protected Area	6	1
Total Land Area	1,097	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](mailto: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](mailto: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,