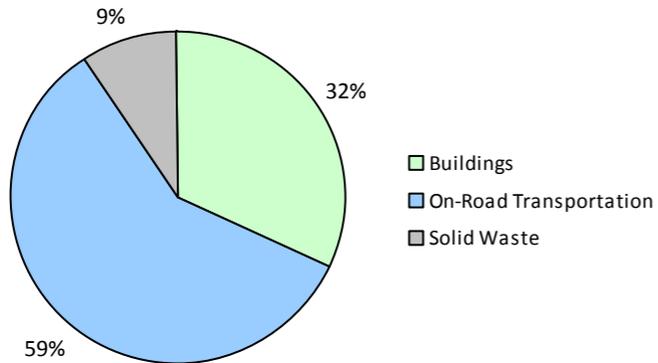
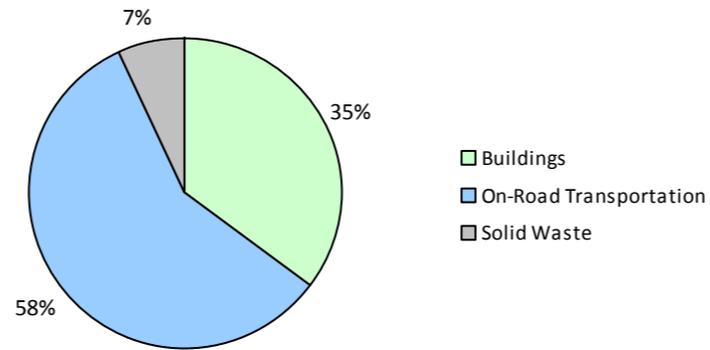


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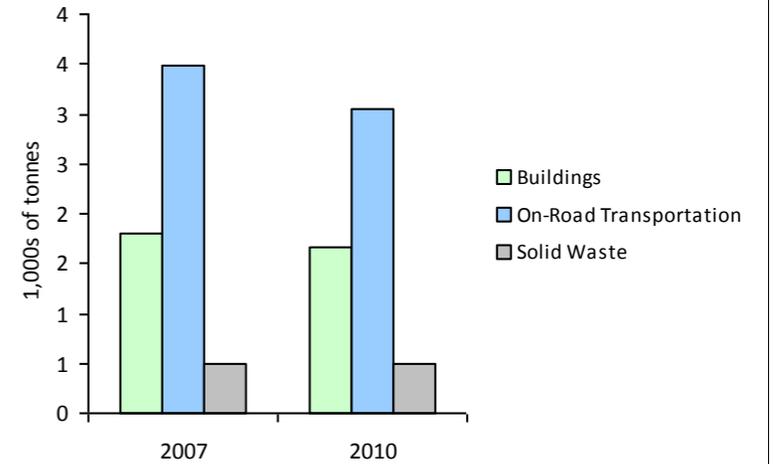
2010 GHG Emissions Sources (Total for this Community)



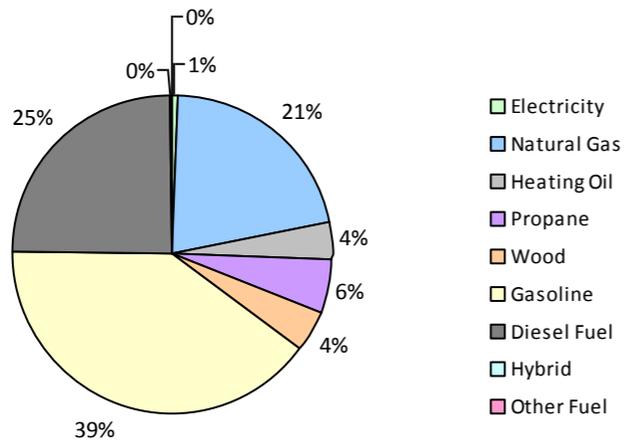
2010 GHG Emissions Sources (Total for BC)



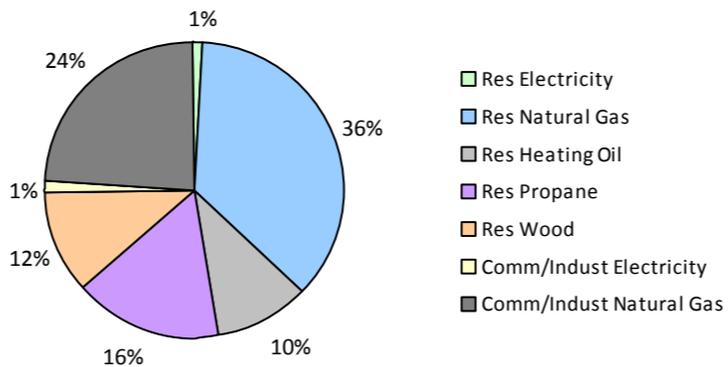
GHG Emissions Comparisons for this Community



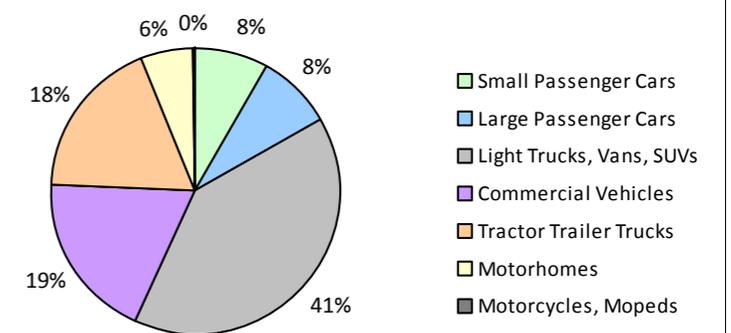
2010 Total Emissions by Fuel Type



2010 Building Emissions by Subsector



2010 On-Road Transportation Emissions by Vehicle Class



Midway 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)	CO2e (t)	Connections	Consumption	Avg VKT (km)	Energy (GJ)	CO2e (t)
Small Passenger Cars	Hybrid							26,600	43	4	
	Gasoline	95	133,295 L	14,700	4,666	318	78	108,457 L	14,700	3,796	243
	Diesel Fuel			16,800	44	4		22,500	175	11	
Large Passenger Cars	Gasoline	77	122,542 L	14,200	4,289	290	75	113,119 L	13,500	3,959	255
	Diesel Fuel			12,100	48	4		8,400	66	4	
Light Trucks, Vans, SUVs	Gasoline	231	544,663 L	16,100	19,063	1,305	226	501,271 L	15,200	17,544	1,140
	Diesel Fuel	23	43,639 L	10,500	1,671	120	15	28,495 L	10,700	1,091	75
	Other Fuel			10,300	44	2					
Commercial Vehicles	Gasoline	24	68,048 L	16,700	2,382	160	30	81,794 L	16,100	2,862	183
	Diesel Fuel	42	136,263 L	17,900	5,219	367	45	147,914 L	18,600	5,665	386
	Other Fuel			12,900	66	4		12,600	64	4	
Tractor Trailer Trucks	Diesel Fuel	10	281,780 L	63,800	10,793	759		53,100	8,209	560	
Motorhomes	Gasoline			19,800	613	41	10	26,922 L	18,100	943	60
	Diesel Fuel	12	37,410 L	15,500	1,433	100	14	47,168 L	15,700	1,807	123
Motorcycles, Mopeds	Gasoline			4,800	62	4	13	3,373 L	5,600	117	7
Totals		514	1,367,640 L	16,395	50,393	3,478	506	1,367,640 L	14,918	46,341	3,055

Buildings		2007				2010			
		Connections	Consumption	Energy (GJ)	CO2e (t)	Connections	Consumption	Energy (GJ)	CO2e (t)
Residential	Wood	N/A	9,888 GJ	9,888	200	N/A	9,517 GJ	9,517	193
	Heating Oil	N/A	2,541 GJ	2,541	179	N/A	2,446 GJ	2,446	167
	Propane	N/A	4,467 GJ	4,467	273	N/A	4,300 GJ	4,300	262
	Natural Gas	195	13,059 GJ	13,059	655	197	11,860 GJ	11,860	595
	Electricity	408	3,785,384 kWh	13,627	23	371	3,764,891 kWh	13,554	23
Commercial/Small-Medium Industrial	Natural Gas	23	8,990 GJ	8,990	451	24	8,043 GJ	8,043	403
	Electricity	93	4,155,616 kWh	14,960	25	83	3,339,246 kWh	12,021	20
Totals		719		67,532	1,806	675		61,741	1,663

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Solid Waste		2007				2010			
		Connections	Consumption	Energy (GJ)	C02e (t)	Connections	Consumption	Energy (GJ)	C02e (t)
Community Solid Waste	Solid Waste	0	297 t	N/A	497	0	304 t	N/A	493
Totals		0			497	0			493

Memo Items

Buildings		2007				2010			
		Connections	Consumption	Energy (GJ)	C02e (t)	Connections	Consumption	Energy (GJ)	C02e (t)
Large Industrial	Natural Gas	1		0	0				
	Electricity	1		0	0				
Totals		2			0				0

Totals for Transportation, Buildings and Solid Waste

Fuel Type	2007 (Population: 643)			2010 (Population: 663)		
	Consumption	Energy (GJ)	C02e (t)	Consumption	Energy (GJ)	C02e (t)
Hybrid	0 L	0		0 L	43	4
Gasoline	868,548 L	31,075	2,118	834,936 L	29,221	1,888
Diesel Fuel	499,092 L	19,208	1,354	223,577 L	17,013	1,159
Other Fuel	0 L	110	6	0 L	64	4
Wood	9,888 GJ	9,888	200	9,517 GJ	9,517	193
Heating Oil	2,541 GJ	2,541	179	2,446 GJ	2,446	167
Propane	4,467 GJ	4,467	273	4,300 GJ	4,300	262
Natural Gas	22,049 GJ	22,049	1,106	19,903 GJ	19,903	998
Electricity	7,941,000 kWh	28,587	48	7,104,137 kWh	25,575	43
Solid Waste	297 t	0	497	304 t	0	493
Grand Totals		117,925	5,781		108,082	5,211

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	235	46	235	87	270	96
Semi-Detached House	10	2	5	2	5	2
Row House	0	0	0	0	0	0
Apartment, Duplex	0	0	0	0	0	0
Apartment, 5 storeys or higher	0	0	0	0	0	0
Apartment, under 5 storeys	0	0	0	0	5	2
Other Single Attached House	0	0	5	2	0	0
Movable Dwelling	35	7	25	9	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	180	62	125	61	190	79
Car, Truck, Van as Passenger	30	10	30	15	10	4
Public Transit	0	0	0	0	0	0
Walked	60	21	35	17	15	6
Bicycle	10	3	15	7	25	10
Motorcycle	10	3	0	0	0	0
Taxicab	0	0	0	0	0	0
Other Method	0	0	0	0	0	0

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	5	0
Agricultural Land Reserve	759	61
Other land use	487	39
Total Parks and Protected Area	5	0
Total Land Area	1,251	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	5	0
Agricultural Land Reserve	759	61
Other land use	487	39
Total Parks and Protected Area	5	0
Total Land Area	1,251	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,