

# CLIMATE ACTION REVENUE INCENTIVE PROGRAM (CARIP) PUBLIC REPORT

For Reporting Year =

**2012**

## GENERAL INFORMATION

Fill in the boxes below

Name of Local Government

*City of Langley*

Member of Regional District (RD)

*Metro Vancouver*

Regional Growth Strategy (RGS) in region

*Yes*

Population

*26,261*

## Report Submitted by

Name

*Roy Beddow*

Title

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# CLIMATE ACTION REVENUE INCENTIVE PROGRAM (CARIP) PUBLIC REPORT

For Reporting Year = 2012

## Community-Wide Actions

### 1.1 MEASURE

#### Community Wide Measurement Actions QUESTION

#### ANSWER

#### ADDITIONAL INFORMATION

Have you been using the *Community Energy and Emissions Inventory* (CEEI) to measure progress? What else have you been using instead of/in addition to CEEI?

Yes

*The 2007 baseline community inventory was developed by Hyla Environmental Services Ltd. using HES Energy & Emissions Monitoring System; City provided comments to Climate Action Secretariat expressing concerns with the Draft 2010 CEEI*

### 1.2 PLAN

#### Community Wide Targets QUESTION

#### ANSWER

#### ADDITIONAL INFORMATION

Do your OCP(s) have targets, policies and actions to reduce GHG emissions, as per the requirements under the *Local Governments Act* (LGA)? If yes, please identify the targets set. If no or in progress, please comment.

Yes

*Reduce community emissions by 20,992 tonnes CO2e from the 2017 emissions forecast (16% reduction below 2007 levels)*

If you are a Regional District, does your RGS have targets, policies and actions to reduce GHG emissions, as per the requirements under the *Local Governments Act* (LGA)? If yes, please identify the targets set. If no or in progress, please comment.

### 1.3 REDUCE

#### *Supportive Community-Wide Actions*

*Please describe the supportive community-wide actions you have taken in 2012 (or propose to take in 2013) to contribute to reducing GHG emissions and energy consumption in your community.*

*Supportive actions refer to activities that provide a framework or foundation for direct actions to be implemented. These include the development of committees or new staff positions, education and engagement, feasibility studies, policy development and engagement with programs and partnerships.*

*If your actions do not fit into the given categories please describe them under "other actions".*

<http://www.cscd.gov.bc.ca/lgd/greencommunities/carip.htm>

*Actions reported in these categories in 2010 and 2011 can be found here:*

<b>Supportive Community-Wide Actions</b>	<b>Actions Taken in 2012</b>	<b>Proposed Actions for 2013</b>
<b>Broad Planning</b> (e.g. creation/revision of OCPs, CEPs, transportation plans)	<i>Initiated OCP Update (Regional Context Statement); Initiated Master Transportation Plan Update</i>	<i>Complete OCP Update (Regional Context Statement); Complete Master Transportation Plan Update</i>
<b>Building and Lighting</b> (e.g. developed green building policy, increased density in the downtown)	<i>Completed Brownfield Development Strategy to encourage redevelopment of contaminated sites in core area</i>	
<b>Energy Generation</b> (e.g. signed on to provincial 'solar ready' regulation, explored options for bioheating for buildings)		
<b>Green Space</b> (e.g. developed urban forestry policy, adopted park acquisition policy)	<i>Initiated Master Parks &amp; Recreation Plan Update</i>	<i>Complete Master Parks &amp; Recreation Plan Update</i>
<b>Transportation</b> (e.g. developed sustainable transportation plan, completed bicycle master plan)	<i>Partner in Surrey Rapid Transit Alternatives Analysis (SRTAA) Study with TransLink, City of Surrey and MOTI (Phase 2 Completed); Partner in Langley Transit Exchange Planning with TransLink &amp; Township of Langley;</i>	<i>Complete SRTAA Phase 3 with partners; Complete Langley Transit Exchange Planning with partners</i>

**Waste** (e.g. introduced composting and recycling education programs)

**Water/Sewer** (e.g. participated in water smart initiatives, implemented Water Action Plan, introduced rebates on low flush toilets)

**Other Actions**

*Planning & preparation for Kitchen Organic Waste Collection*

### Direct Community-Wide Actions

Please describe the **direct community-wide actions** you have taken this year and propose to take next year to contribute to reducing GHG emissions and energy consumption in your community.

**Direct actions** refer to activities that can be directly implemented by local government.

If your actions do not fit into the given categories please describe them under "other actions".

**Actions reported in these categories in 2010 and 2011 can be found here:**

<http://www.cscd.gov.bc.ca/lgd/greencommunities/carip.htm>

Community-Wide Direct Actions	Actions Taken in 2012	Proposed Actions for 2013
<p><b>Buildings</b> (e.g. implement use of sustainability checklists and development permit guidelines for new buildings)</p> <p><b>Energy Generation</b> (e.g. implement district energy, geothermal, solar)</p>		
<p><b>Transportation</b> (e.g. implement bike lanes, pedestrian paths, upgrade transit service and infrastructure, improve roads, parking fees etc.)</p>	<p><i>Design for reconstruction of 48 Avenue from Grade Crescent to 208 Street;</i></p>	<p><i>Reconstruct portion of 48 Avenue from Grade Crescent to 208 Street adding sidewalks for pedestrian safety;</i> <i>Optimize traffic signal timing on Langley Bypass between Fraser Highway and 56 Avenue</i></p>
<p><b>Waste</b> (e.g. introduce composting and recycling programs )</p>		<p><i>Implemented Kitchen Organic Waste Collection January 1, 2013</i></p>

**Water/Sewer** (e.g. implement water conservation and reduction initiatives)

*Replaced aging water meters with newer, more accurate units*

*Replace aging water meters with newer, more accurate units*

**Green Space** (e.g. plant trees, conserve forest etc.)

*Planted 25 new trees*

**Other Actions**

#### **1.4 COMMUNITY-WIDE INNOVATION**

Is there any activity that you have been engaged in over the past year(s) that you are particularly proud of and would like to share with other local governments?

Please describe and add links to additional information where possible.

**Answer**

NOTE: If you wish to insert a "hard return" (i.e. Enter Key) while typing in a given cell, you need to hold the ALT+ENTER instead.

NOTE: If your list proves larger than the space provided above, feel free to adjust the column width/row height accordingly.

NOTE: To adjust cells go to the far left (numbers) or top (letters)

# CLIMATE ACTION REVENUE INCENTIVE PROGRAM (CARIP) PUBLIC REPORT

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## Corporate Actions

### 2.1 MEASURE

#### Corporate Measurement Actions QUESTION

#### Answer

What steps has your local government taken toward completing its corporate emissions inventory (e.g. corporate assets identified related to energy and fuel data and calculated GHG emissions from energy use)?

*Completed corporate inventory updates for 2008, 2009, 2010 (with Progress Report); 2012*

What tool are you using to measure, track and report on your corporate emissions (e.g. SMARTtool, other tools including excel spreadsheets)?

*HES Energy & Emissions Monitoring System v.5*

### 2.2 REDUCE

## Supportive Corporate Actions

Please describe the **supportive corporate actions** you have taken in 2012 or propose to take in 2013 to contribute to reducing GHG emissions and energy consumption within your corporate boundary.

**Supportive actions** refer to activities that provide a framework or foundation for direct actions to be implemented. These include the development of committees or new staff positions, education and engagement, feasibility studies, policy development and engagement with programs and partnerships.

If your actions do not fit into the categories provided, please describe them under "other actions".

Lists of actions reported in these categories in 2010 and 2011 can be found here: <http://www.cscd.gov.bc.ca/igd/greencommunities/carip.htm>

### Supportive Corporate Actions

### Actions Taken in 2012

### Proposed Actions for 2013

**Broad Planning** (e.g. developed corporate climate action plan)

**Building and Lighting** (e.g. developed energy reduction plan for all corporate buildings)

**Energy Generation** (e.g. undertook feasibility study of green energy generation for civic buildings)

**Transportation** (e.g. created anti-idling policy for city vehicles, bike to work week promotion)

**Waste** (e.g. completed waste audit of City Hall)

**Water/Sewer** (e.g. completed study of sewer and water energy use)

**Other Actions**

Facilities planning for replacement Operations Centre and Community Centre

Facilities planning for replacement Operations Centre and Community Centre

Partner in Metro Vancouver EV Charging Station Planning

Review of City facilities for 3 streams (organics, recyclables, waste);  
Implement organic or recyclable supplies

## Direct Corporate Actions

Please describe the **direct corporate actions** you have taken in 2012 and propose to take in 2013 to contribute to reducing GHG emissions and energy consumption within your corporate boundary.

**Direct actions** refer to activities that can be directly implemented by local governments.

We encourage you to report all the corporate actions that contribute to reduced emissions even if they might not directly contribute to the achievement of your carbon neutral commitment. For example, the introduction of corporate recycling programs do not contribute to carbon neutrality but is a direct action to reduce GHG emissions.

If your actions do not fit into the given categories please describe them under "other actions".

<http://www.cscd.gov.bc.ca/lgd/greencommunities/carip.htm>

List of actions reported in these categories in 2010 and 2011 can be found here:

Direct Corporate Actions	Actions Taken in 2012	Proposed Actions for 2013
<b>Building and Lighting</b> (e.g. energy efficiency retrofits to municipal buildings )	<i>Upgraded Firehall lighting to induction lighting; Replaced swimming pool pump with variable-frequency drive unit</i>	<i>Replace streetlighting on Fraser Highway from 204 Street to Langley Bypass with more efficient units- approximate energy savings = 25,000 kWh; Replace Douglas Recreation Centre lighting with more efficient units</i>
<b>Energy Generation</b> (e.g. implemented heat recovery systems, solar)		
<b>Fleet</b> (e.g. anti-idling policies for fleet vehicles, purchasing of hybrid)	<i>Order for replacement of 3 Engineering Dept. vehicles with more fuel efficient vehicles</i>	<i>Install 4 EV Charging Stations - 2 at City Hall/Library + 2 at Operations Centre; Receive 3 fuel efficient replacement vehicles for Enaineerina Dept</i>
<b>Waste</b> (e.g. introduction of composting and recycling programs and education)		
<b>Water/Sewer</b> (e.g. initiated water conservation and reduction initiatives)	<i>Tender for lift station backup generator set with minimum Tier 3 unit</i>	<i>Replace lift station backup generator set with minimum Tier 3 unit</i>
<b>Green Space</b> (e.g. planting of trees )	<i>Planted 25 new trees</i>	



***Other Actions***

**2.3 CORPORATE INNOVATION**

**Answer**

Is there any activity that you have been engaged in over the past year(s) that you are particularly proud of and would like to share with other local governments? Please describe and add links to additional information where possible.

NOTE: If you wish to insert a "hard return" (i.e. Enter Key) while typing in a given cell, you need to hold the ALT+ENTER instead.

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**You MUST fill this in for the 2012 reporting year.**

## CLIMATE ACTION REVENUE INCENTIVE PROGRAM (CARIP) PUBLIC REPORT

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Prior to completing this section, please ensure that you are familiar with the “Becoming Carbon Neutral guidebook” available on the BC

[BC Climate](#)

### Carbon Neutral Progress Reporting

**Is this your Final or Interim CARIP Report for 2012 (Yes or No)?**

**Final**

Emissions/Offsets	Tonnes CO2e	
	Enter Values in Yellow Boxes	
<b>Annual corporate emissions using SMARTTool or equivalent inventory tool</b>		(+)
<i>Emissions from services delivered directly by the local government</i>	<b>695.3</b>	
<i>Emissions from contracted services</i>	<b>138.3</b>	
<b>Less:</b>		
GHG reductions being claimed for this reporting year from Option 1 - GHG reduction project	<b>833.6</b>	(-)
<i>Energy Efficient Building Retrofits and Fuel Switching</i>		
<i>Solar Thermal</i>		
<i>Household Organic Waste Composting</i>	833.6	
<i>Low Emissions Vehicles</i>		

**Less:**

GHG reductions being claimed for this reporting year from Option 2 - GHG reduction projects

*Please list all Option 2 Projects Implemented (insert title of the projects(s) as per project plan template. If you have more than two Option 2 projects you can add more lines at the bottom of this sheet)*

*Option 2 Project A*

*Option 2 Project B*

*Sum of Other Option 2 Projects (if you have added projects below)*

<b>0</b>
0

(-)

**Less:**

Offsets purchased for this reporting year (Option 3). Please identify your offset provider in the offset provider information section below.

<b>0</b>

(-)

**Balance of corporate emissions for this reporting year.**

*(If the corporate emissions balance is zero, your local government is carbon neutral for this reporting year)*

=

**Making Progress on Your Carbon Neutral Commitment**

If your community has not achieved carbon neutrality for this reporting year please describe the actions that you intend to take next year to move you toward your carbon neutral goal.

## Additional "Option 2" Projects

- Option 2 Project C*
- Option 2 Project D*
- Option 2 Project E*
- Option 2 Project F*
- Option 2 Project G*
- Option 2 Project H*


## Offset Provider Information

(i) Please Identify the name(s) of your offset provider(s) (use yellow box to the right):

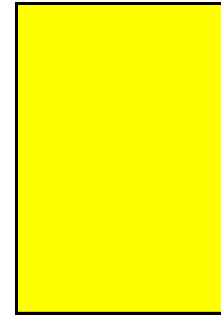
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(ii-a) The offsets being claimed in this CARIP Report were purchased from the offset provider(s) indicated above prior to making this CARIP report public (please indicate yes or no in yellow box):

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**OR**

**(ii-b)** There is a signed agreement in place between the reporting local government and the offset provider(s) indicated above to purchase the offsets by no later than June 1, 2013 (please indicate yes or no in the yellow box):

A yellow rectangular box with a black border, intended for the user to indicate 'yes' or 'no' to the question above.

**CARIP Public Report Attestation Form**

**The Purpose of this Attestation:** As per the CARIP guidance, the Financial Officer is required to attest that the CARIP report submitted to the Province on or before **March 8, 2013** has been made public and also indicate if it is the Final or *Interim* Report.

If applicable, the Financial Officer will also be required to attest that the local government's updated *Interim* CARIP report submitted on **June 1, 2013** has been made public and is the Final Report. Please complete the attestation below that applies to your 2012 CARIP Public Report at this time. **Please review the general CARIP Guidance document for more information on this requirement.**

*Financial Officer must complete and sign the APPLICABLE attestation form below and email a scanned copy to the province at [Infra@gov.bc.ca](mailto:Infra@gov.bc.ca)*

**FINAL CARIP Report attestation:**

I declare that this is the Final 2012 CARIP Public Report for (insert name of local government) and that this report was made public on (date)

Name, Title (print) CFO \_\_\_\_\_ **DARRIN LEITE, CA**  
Director of Corporate Services

Signature \_\_\_\_\_ 

Date \_\_\_\_\_ May 29, 2013

**INTERIM CARIP Report attestation:**

I declare that this is the *Interim* 2012 CARIP Public Report for the City of Langley and that this Report was made public on March 8, 2013

Additional carbon neutral information is needed to complete this CARIP Report and once that information is received; this CARIP report will be updated, made public and submitted as Final to the Province on or before **June 1, 2013**.

As per the CARIP Guidance document, I am aware that local governments that do not make public and submit an updated, Final 2012 CARIP Public Report to the Province by the **June 1, 2013**, deadline:

- May not be eligible for next year's CARIP grant.
- Will not be eligible for certain elements of the Green Communities Recognition Program, and
- Will not be included in the 2012 Provincial level report on local government climate action progress

Name, Title (print) CFO or CAO – Darrin Leite, CA Director of Corporate Services

Signature \_\_\_\_\_ 

Date \_\_\_\_\_ March 8, 2013