

# Climate Action Revenue Incentive Program (CARIP) Public Report

## Climate Action Revenue Incentive (CARIP)

### Public Report for YEAR 2013

City of Langley

Metro Vancouver



#### Report Submitted by

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September 10, 2014

#### General Information

<b>Name of Local Government</b>	City of Langley
<b>Member of Regional District (RD)</b>	Metro Vancouver
<b>Regional Growth Strategy (RGS) in region</b>	Yes
<b>Population</b>	26,301

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## Community Wide Actions for 2013

### 1.1 Measure

#### Community Wide Measurement Actions

<b>Question</b>	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?
<b>Answer</b>	Yes
<b>Additional Information</b>	City previously expressed concerns with Draft 2010 CEEI but January 23, 2013 version appears more accurate

### 1.2 Plan

#### Community Wide Targets

<b>Question</b>	Does your OCP(s) have targets, policies and actions to reduce GHG emissions, as per the requirements under the <i>Local Governments Act</i> (LGA)? If yes, please identify the targets set. If no or in progress, please comment.
<b>Answer</b>	Yes
<b>Additional Information</b>	Reduce community emissions by 20,992 tonnes CO <sub>2</sub> e from the 2017 emissions forecast (16% reduction below 2007 levels)

### 1.3 Reduce

#### Supportive Community Wide Actions

<b>Action Type</b>	Broad Planning
<b>Actions Taken this Year</b>	Adopt OCP update - Regional Context Statement; develop Master Transportation Plan Update
<b>Proposed Actions for Next Year</b>	Adopt Master Transportation Plan Update; OCP updates to incorporate Master

Transportation Plan, Transit Exchange Plan and Master P & R Plan amendments

<b>Action Type</b>	<b>Building and Lighting</b>
<b>Actions Taken this Year</b>	
<b>Proposed Actions for Next Year</b>	

<b>Action Type</b>	<b>Energy Generation</b>
<b>Actions Taken this Year</b>	
<b>Proposed Actions for Next Year</b>	

<b>Action Type</b>	<b>Green Space</b>
<b>Actions Taken this Year</b>	Develop Parks & Recreation Master Plan Update
<b>Proposed Actions for Next Year</b>	Adopt Parks & Recreation Master Plan Update

<b>Action Type</b>	<b>Transportation</b>
<b>Actions Taken this Year</b>	Complete Langley Transit Exchange Plan with Township of Langley & TransLink
<b>Proposed Actions for Next Year</b>	

<b>Action Type</b>	<b>Waste</b>
<b>Actions Taken this Year</b>	

<b>Proposed Actions for Next Year</b>
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Action Type	Water/Sewer
<b>Actions Taken this Year</b>	Completed Pond Management Strategy; Adopt Cosmetic Pesticide Bylaw
<b>Proposed Actions for Next Year</b>	Initiate Integrated Stormwater Management Plan (ISMP)

Action Type	Other Actions
<b>Actions Taken this Year</b>	
<b>Proposed Actions for Next Year</b>	

**Direct Community Wide Actions**

Action Type	Buildings
<b>Actions Taken this Year</b>	
<b>Proposed Actions for Next Year</b>	

Action Type	Energy Generation
<b>Actions Taken this Year</b>	
<b>Proposed Actions for Next Year</b>	

Action Type	Transportation
<b>Actions Taken this Year</b>	Design for reconstruction of 48 Avenue from Grade Crescent to 208 Street; Optimize traffic signal timing on Langley Bypass between Fraser Highway and 56 Avenue

<b>Proposed Actions for Next Year</b>	"Reconstruct portion of 48 Avenue from Grade Crescent to 208 Street adding sidewalks for pedestrian safety; "
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<b>Action Type</b>	<b>Waste</b>
<b>Actions Taken this Year</b>	Implemented Kitchen Organic Waste Collection January 1, 2013
<b>Proposed Actions for Next Year</b>	

<b>Action Type</b>	<b>Water/Sewer</b>
<b>Actions Taken this Year</b>	Replaced aging water meters with newer, more accurate units
<b>Proposed Actions for Next Year</b>	Replace aging water meters with newer, more accurate units

<b>Action Type</b>	<b>Green Space</b>
<b>Actions Taken this Year</b>	Planted 67 new trees
<b>Proposed Actions for Next Year</b>	

<b>Action Type</b>	<b>Other Actions</b>
<b>Actions Taken this Year</b>	
<b>Proposed Actions for Next Year</b>	

<b>Question</b>	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.
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**Answer**

## Corporate Actions for 2013

### 2.1 Measure

#### Corporate Measurement Actions

<b>Question</b>	What steps has your local government taken toward completing its corporate emissions inventory?
<b>Answer</b>	Completed corporate inventory updates for 2008, 2009, 2010 (with Progress Report); 2012, 2013

<b>Question</b>	What tool are you using to measure, track and report on your corporate emissions?
<b>Answer</b>	HES Energy & Emissions Monitoring System v.5

### 2.2 Reduce

#### Supportive Corporate Actions

<b>Action Type</b>	Broad Planning
<b>Actions Taken this Year</b>	
<b>Proposed Actions for Next Year</b>	

<b>Action Type</b>	Building and Lighting
<b>Actions Taken this Year</b>	Facilities planning for new Community Centre
<b>Proposed Actions for Next Year</b>	LED lighting business case development study

<b>Action Type</b>	Energy Generation
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<b>Actions Taken this Year</b>
<b>Proposed Actions for Next Year</b>

<b>Action Type</b>	<b>Transportation</b>
<b>Actions Taken this Year</b>	Participated in Bike to Work Week promotion
<b>Proposed Actions for Next Year</b>	

<b>Action Type</b>	<b>Water/Sewer</b>
<b>Actions Taken this Year</b>	
<b>Proposed Actions for Next Year</b>	

<b>Action Type</b>	<b>Other Actions</b>
<b>Actions Taken this Year</b>	
<b>Proposed Actions for Next Year</b>	

### Direct Corporate Actions

<b>Action Type</b>	<b>Building and Lighting</b>
<b>Actions Taken this Year</b>	Replaced streetlighting on Fraser Highway from 204 Street to Langley Bypass with more efficient units- approximate energy savings = 25,000 kWh; Replace McBurney Plaza lighting with LED's; Replace Douglas Recreation Centre lighting with more efficient units (LED's)
<b>Proposed Actions for Next Year</b>	Initiate construction of Timms Community Centre replacement

<b>Action Type</b>
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## Energy Generation

**Actions  
Taken this  
Year**

**Proposed  
Actions for  
Next Year**

**Action Type** Fleet

**Actions  
Taken this  
Year**

"Install 4 EV Charging Stations - 2 at City Hall/Library + 2 at Operations Centre;  
Replaced 2 existing Engineering Dept. vehicles with EV's"

**Proposed  
Actions for  
Next Year**

**Action Type** Waste

**Actions  
Taken this  
Year**

**Proposed  
Actions for  
Next Year**

**Action Type** Water/Sewer

**Actions  
Taken this  
Year**

**Proposed  
Actions for  
Next Year**

**Action Type** Green Space

**Actions  
Taken this  
Year**

Planted 67 new trees

**Proposed  
Actions for  
Next Year**

Construct and landscape Langley Prairie Neighbourhood Park

**Action Type** Other Actions

<b>Actions Taken this Year</b>
<b>Proposed Actions for Next Year</b>

### 2.3 Corporate Innovation

<b>Question</b>	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.
<b>Answer</b>	

## Carbon Neutral Progress Reporting

### 3.1 Carbon Neutral Progress Reporting

Emissions/Offsets	Tonnes CO2e
<b>Annual corporate emissions using SMARTTool or equivalent inventory tool</b>	<b>827</b>
<i>Emissions from services delivered directly by the local government</i>	677
<i>Emissions from contracted services</i>	150
<b>Less:</b> GHG reductions being claimed for this reporting year from Option 1 - GHG reduction project	<b>423.6</b>
<i>Energy Efficient Building Retrofits and Fuel Switching</i>	
<i>Solar Thermal</i>	
<i>Household Organic Waste Composting</i>	423.6
<i>Low Emissions Vehicles</i>	
<b>Less:</b> GHG reductions being claimed for this reporting year from Option 2 - GHG reduction projects	<b>403.4</b>
<i>Vancouver Landfill Gas Capture Optimization Project</i>	403.4
<i>Option 2 Project B</i>	0
<i>Sum of Other Option 2 Projects (if you have added projects below)</i>	<b>0</b>
<b>Less:</b> <i>Offsets purchased for this reporting year (Option 3). Please identify your offset provider in the offset provider information section below.</i>	
<b>Balance of corporate emissions for this reporting year.</b> <i>(If the corporate emissions balance is zero, your local government is carbon neutral for this reporting year)</i>	<b>0</b>
<b>Additional "Option 2" Projects</b>	
<i>Option 2 Project C</i>	
<i>Option 2 Project D</i>	
<i>Option 2 Project E</i>	
<i>Option 2 Project F</i>	
<i>Option 2 Project G</i>	
<i>Option 2 Project H</i>	

### 3.2 Making Progress on Your Carbon Neutral Commitment

<b>Question</b>	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.
<b>Answer</b>	



### 3.3 Offset Provider Information

<b>Question</b>	Please Identify the name(s) of your offset provider(s) (Please answer below):
<b>Answer</b>	

<b>Question</b>	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):
<b>Answer</b>	

<b>Question</b>	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.
<b>Answer</b>	