

CARIP/Carbon Neutral Progress Report Reporting Year 2012

Supporting Documentation Contracted Emissions Template

LOCAL GOVERNMENT
City of Richmond 6911 No. 3 Road Richmond, BC V6Y 2C1
PROJECT DESIGNATE
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RATIONALE
<p>An estimation methodology is being utilized since actual emissions are not known from the contractor. The City of Richmond is considering ways to improve documentation for future reports. Most contracts over \$25,000 for delivery of traditional services have not been awarded or renewed between June 1 and December 31, 2012.</p> <p>The City has identified three main contract areas for delivery of traditional services:</p> <ol style="list-style-type: none">1. Super Save Disposal Inc., Cascades Recovery Inc. and BFI provide recycling depot container collection and recycling services (T.4311);2. Sierra Waste Services deliver residential solid waste and recycling services (T.2988);3. BFI Canada Waste Management supplies of garbage containers and collection services at City facilities. <p>Each of these contracts was awarded prior to June 1, 2012 and is not quantified as per BC government guidance.</p> <p>The hired equipment contracted emissions, with the exception of equipment used outside of the defined traditional service boundaries or for capital rather than maintenance projects, is listed in the table below by traditional service area.</p> <p>Option 3 is the estimation methodology used:</p> <ol style="list-style-type: none">1. Hired equipment records sorted to exclude out of scope contracts;2. City equipment operating records assessed to determine average consumption factors in litres per hour for each equipment family;3. Consumption factors used to estimated fuel consumption for hired equipment;4. Environment Canada emissions factors applied to calculate GHG emissions.

CONTRACTED EMISSIONS	
Option 3: Vehicle/Equipment Type and Hours or Kilometers of Usage	
Traditional Service Area	Estimated Annual GHGs (tonnes)
Drinking, Storm and Wastewater	43.0
Solid Waste Collection, Transportation and Diversion	0
Roads and Traffic Operations	114.0
Arts, Recreation and Cultural Services	9.7
Fire Protection	0
Total	166.7