

Option 2 Project Plan - City of Richmond

Project Proponent Information	
Name of Local Government Project Proponent(s)	City of Richmond
Project Designate appointed to sign off on Project Plan	Name: Andrew Nazareth Title: General Manager, Finance and Corporate Services Phone: 604-276-4095 Email anazareth@richmond.ca
Project Contact	Name: Mr. Levi Higgs, B.Sc., EMIT Title: Corporate Energy Manager, Phone: (604) 244-1239 Email: lhiggs@richmond.ca
Project Information	
Project title	Concrete and Asphalt Recycling at Sidaway Yard
Project description and objectives	The City of Richmond began to undertake the recycling of concrete and some asphalt material, with the intention of reducing landfill waste, reducing truck traffic on City roads, and displacing some of the virgin road base material the City uses on construction sites. Using mobile sorting and crushing equipment the City has completed numerous road base material batches since 2014. Through this project it was determined that on average the GHG emissions associated with virgin production and transportation equalled 20.8 t of CO ₂ e emitted per ton of material produced compared to 3.1 t of CO ₂ e emitted per ton of material produced from recycled material. There are numerous environmental, economic, and social benefits that this project has achieved, and reducing GHG emissions is simply one part of the overall benefits. As a part of the City of Richmond's action plan to achieve this goal, the City will be using this Carbon Reduction Project as an "Option 2 Emission Reduction Project".
Project measurement	See attached Project Measurement form for a description of the formulas, methodologies and assumptions used for this project, and the total anticipated Greenhouse Gas (GHG) reductions
Third party validation of formulas and methodologies	Provide third party validation of the proposed project formulas and methodologies Name: Jon Davies Title: Chartered Professional Accountant, Davies and Co. Phone: Email: jondavies@shaw.ca
Beyond Business as Usual	1) Proposed project start date 2014 2) Is the project required to meet a legislative or regulatory requirement? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 3) Indicate how the Project meets one of the following tests (see Appendix 1): <input checked="" type="checkbox"/> <i>Common Practice Test: A project can only be considered additional if it employs technologies or practices that are not already in common use.</i> This project uses practices that are outside of traditionally provided services for solid waste management, as municipalities are not required to recycle concrete or asphalt material. This is not a core service that a BC Municipality would typically provide.
Project co-benefits (Optional)	Main areas of co-benefit include the diversion of material from land fill sites, and avoiding further mining of virgin material and disturbance of natural habitat, as well as the reduction in water use and air contaminant pollution at existing quarry sites.
Project Transparency: Accountability and Reporting	
Scope	This project is outside the City of Richmond's corporate emissions boundary, as it exists outside of the traditional services provided for solid waste management.
Counted Once	The emission reductions for this project have been counted only once, and have not been previously committed, sold, or included in any alternate offset scheme.

Ownership	The City of Richmond has clear ownership of all emission reductions due to fact that all project activities are occurring at a City-owned site, executed and managed by City staff. The City of Richmond has clear ownership of the emission reduction credits and has exclusive rights to the credits listed in this form.
Verification	Third party verification is required for all Option 2 Projects.
Reports	GHG reductions from Option 2 projects will be subject to public reporting requirements. After January 1, 2012, the public reporting requirements under the Climate Action Revenue Incentive Program (CARIP) will be revised to include information on total annual corporate emissions , the reductions being claimed from GHG projects undertaken under the Carbon Neutral Framework (Option 1 and 2) , and purchased offsets (Option 3) in order demonstrate carbon neutrality for any given year, as per the Project Eligibility Requirements outlined in Appendix 1 of the <i>Becoming Carbon Neutral</i> guidebook.

Preliminary Review Template: Authorization and Sign Off

Project Designate

The information provided in this Preliminary Review Template is to the best of my knowledge correct and complete.



Designate Signature

Andrew Nazareth

Title: General Manager, Finance and Corporate Services

Date *March 8th, 2017*