

Project Plan – Lafarge Canada Asphalt Recycling

Project Proponent Information	
Name of Local Government Project Proponent(s)	Provide the name of the local government(s) involved in the project and that will be claiming GHG reductions from the project under Option 2. ___ City of Richmond _____
Project Designate appointed to sign off on Project Plan	Provide the name, phone and e-mail of the Project Designate duly authorized and having the legal capacity to sign off on this Template Name ___ Andrew Nazareth _____ Title ___ General Manager, Finance and Corporate Services _____ Phone ___ 604-276-4095 _____ Email ___ anazareth@richmond.ca _____
Project Contact	Provide a Project Contact name if different from above Name ___ Levi Higgs _____ Title ___ Corporate Energy Manager _____ Phone ___ 604-244-1239 _____ Email ___ lhiggs@richmond.ca _____
Project Information	
Project title	Provide project title ___ Lafarge Canada – Asphalt Recycling _____
Project description and objectives	Briefly summarize the project in terms of what, where, how, when, and why (max 4-5 sentences or bullets). Lafarge Canada modified their asphalt production plant on Mitchell Island, Richmond B.C. so that it could also accept recycled asphalt material into their mix displacing the amount of virgin asphalt cement material they use, and reducing the transportation required for that material. The greater amounts of recycled material the plant uses, the greater the energy and emissions savings they can achieve.
Project measurement	Describe the approach to measuring the GHG reductions from the project. The following documentation must be attached: Required information is provided in the Green Sky Consulting project quantification report, dated December 20, 2017, attached and included as part of the project documentation. <input checked="" type="checkbox"/> detailed formulas <input checked="" type="checkbox"/> methodologies and assumptions <input checked="" type="checkbox"/> anticipated GHG reductions from the project
Third party validation of formulas and methodologies	Identify who will provide third party validation of the proposed project formulas and methodologies Name: Judy Tai, P.Eng – Keystone Environmental Ltd. Title: Lead Verifier. Phone: 604-430-0671 Email: jtai@keystoneenvironmental.ca
Beyond Business as Usual	1) Proposed project start date: 2016 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 required Additionality tests: <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> Current asphalt plant was designed for virgin mix, and therefore Lafarge has had to develop techniques to allow them to operate it so that they can use increased volumes of recycled materials. It is not common practice to use high percentages of recycled materials in the asphalt production mix as it makes it more difficult for the process to reach high heats required.

Project co-benefits (Optional)	Beyond the reduction of GHG emissions, describe any anticipated community and/or sustainability co-benefits that this project will provide: Main areas of co-benefit include the diversion of material from landfill sites, avoidance of further mining and processing of virgin material, and a reduction in air pollution from virgin material transportation.
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Project Transparency: Accountability and Reporting

Scope	Asphalt production is outside of the City of Richmond's corporate emissions boundary as it is not considered to be a traditional municipal service.
Counted Once	The emissions reductions for this project have been counted once, and have not been previously committed, sold, or included in any alternate credit transfer agreement
Ownership	Lafarge Canada is the owner and operator of the asphalt production plant and dictates the material to be used for its production activities.
Verification	Third party verification was completed for this project
Reports	Reporting requirements, as dictated by the Province of BC's Climate Action Revenue Incentive Program (CARIP) and the Green Communities Committee Carbon Neutral Framework, have been completed for this Option 2 project.

Project Plan Template: Authorization and Sign Off

Project Designate

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



Designate Signature: Andrew Nazareth
Title: General Manager, Finance and Corporate Services

Date: *March 5, 2018*