



## Conestoga-Rovers & Associates **Project Summary**

### KEY PROJECT ELEMENTS

- **Data Review and Assessment**
- **Identification of Key Performance Indicators**
- **Development of Web-based Data Management System**
- **Development of Web-based Environmental Footprint Calculation Tool**

## DEVELOPMENT OF ENVIRONMENTAL FOOTPRINT CALCULATION TOOL ONTARIO

CRA is providing sustainability services to a large cement, concrete, and aggregate producer. The project's objective is to develop an accounting system to quantify the baseline environmental footprint of our client. The system comprises a web-based calculation tool quantifying selected key performance indicators applicable to the operations of the client, allowing them to monitor progress on environmental sustainability initiatives. Some of the specific Key Performance Indicators being quantified include greenhouse gas emissions, waste management, and biodiversity.

CRA reviewed available production information and is tailoring the calculation tool to the specific operations of the client. The tool will account for the complexities of the operations while still being user friendly. It is also being designed to ensure the client has the flexibility to continually update data on an ongoing basis.

A reporting feature has been added to allow the client to compare data at the regional or office level against previous inputs and national benchmarks. The calculation tool will also enable the client to assess the costs and benefits of future initiatives in advance of implementation. For example, if the client is considering switching to more fuel-efficient equipment or recycling wastewater in their process operations, then the effects of these initiatives can be estimated with the calculation tool. This feature will assist the client to make informed decision with regards to environmental investments.

The accounting system is being designed to enable the client to use the tool without the support of CRA. This tool will be publicly accessible and provide the general public with the ability to compare the environmental footprint of our client's products to those of similar or substitutable products.

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