

2008 Canadian Cement Industry Sustainability Report

FACT SHEET

This fact sheet provides excerpts from the 2008 Canadian Cement Industry Sustainability Report. Highlights from the report are presented here:

Cement and the Canadian Cement Industry

- During 2006, CAC member companies produced more than 16.7 million tonnes of cement, including supplementary cementing materials
- In 2006, cement and concrete producers employed more than 27,000 Canadians, contributing more than \$8.0 billion in sales to the Canadian economy and over \$3.3 billion to Canada's GDP

Reporting on the Cement Sustainability Initiative

- Canada's cement industry has committed to an Action Plan through the global Cement Sustainability Initiative and is committed to publicly reporting every two years on its key sustainability indicators
- This 2008 update reports that the Canadian cement industry has made progress in all areas of implementation since 2005

Responding to the Climate Change and Clean Air Challenge

- Cement manufacturing in Canada contributes an estimated 1.4% of total Canadian greenhouse gas emissions and 1.0% of total Canadian air pollutant emissions
- Between 2003 and 2006, Canada's cement industry achieved:
 - a 14% decrease in total SO₂ emissions and a 23% decrease in total NO_x emissions
 - important reductions in these air pollutants while increasing total cement production by 10%
 - a decrease in the total greenhouse gas emissions intensity by 1.3%
- Since 1990, the industry has achieved a 6.4% improvement in its greenhouse gas emissions intensity
- Canada's cement industry looks forward to its participation in the Cement Task Force under the Asia Pacific Partnership for Clean Development and Climate

Responsible Use of Energy and Materials

- Canada's cement industry has improved its energy intensity by 11% between 1990 and 2006
- Canada's cement industry is working to accelerate its replacement of virgin and carbon intensive fossil fuels with alternative and renewable energies and increase the use of supplementary cementing materials to offset a portion of the cement used in concrete – in line with other jurisdictions, such as the European Union

Demonstrating Responsibility to Our Communities

- Canada's cement industry continues to excel in health and safety – four of Canada's cement manufacturing plants were formally recognized as among the best of 121 in North America for their safety performance in 2006

Sustainable Attributes of Cement and Concrete

- Concrete has a low greenhouse gas emissions intensity – on average, equal to 1/9 that of cement
- Life cycle analysis demonstrates that concrete highways provide many sustainability features
- Concrete is beneficial towards achieving LEED™ certification for green building design
- Soil solidification/stabilization with cement is an increasingly common technology for the rehabilitation of contaminated sites in Canada

View the 2008 Canadian Cement Industry Sustainability Report at www.cement.ca