

## Work Plan 2013- 2017

**Developed by the Coordinating Committee for  
Greenhouse Gas (GHG) Memorandum of Understanding  
between the  
Alberta Roadbuilders and Heavy Construction Association (ARHCA)  
and the  
Government of Alberta (represented by  
Environment and Sustainable Resource Development, and Transportation)**

### **BACKGROUND AND OBJECTIVE:**

Under the GHG MOU the parties agreed to work together to develop a framework to enable the industry to achieve the following:

- Reduction in GHG emissions and improving energy efficiency within the sector that enables our province and industry sector to be competitive and better adjust to a carbon-constrained future; and
- Assist Albertans in meeting the objectives set out in the 2008 Alberta Climate Change Strategy and the Provincial Energy Strategy, which both include energy efficiency initiatives and goals.

This work plan presents the priority activities proposed to achieve the objectives of the MOU. It focuses on strategies for improving the energy efficiency of the construction and road building sectors and reducing consumption / combustion of carbon-based fuels in these sectors through the following approaches:

- energy efficiencies;
- renewable or alternative (low carbon) fuels;
- waste minimization and;
- recycling and substitution with less GHG-intensive materials.

This work plan is a living document that presents the key initiatives that the Coordinating Committee will be leading to achieve the objectives of the MOU.

### **KEY WORK PLAN INITIATIVES AND ACTIVITIES:**

#### **1. IMPLEMENT TOOLS / BEST PRACTICES**

**Purpose:** To enable ARHCA members to adopt the tools and best practices to improve energy efficiency.

**Background:** The ARHCA, with the support of MOU partners, ERSD and AT, prepared a summary document of Alberta energy efficiency best practices (BPs) for construction and road-building industry sectors. The guide, released in November 2012, contains useful tools and BPs for energy efficiency as a way to achieve GHG emissions reductions from heavy construction and road-building activities.

The Transportation Association of Canada's (TAC) Canadian Guide for Greener Roads has been developed and is expected to be released in late 2013.

**Timeframe:** Develop plan by summer 2013 with intent to launch a project in fall 2013.

- Develop project plan with timelines and resources needed.

## **2. BASELINE INFORMATION ON INDUSTRY PRACTICES AND BENCHMARK TO LEADING JURISDICTIONS**

**Purpose:** To understand the current state of practices in the industry, monitor progress, and provide the basis for building a positive image of the industry as a leader.

**Timeframe:** Initiate efforts in 2013 with target to complete initial phase within two years.

- a. After construction season, survey the ARHCA membership on use of BPs.  
Ask ARHCA members to identify barriers to adoption of BPs for Alberta use.
- b. Develop a baseline for performance tracking, annual survey of the ARHCA membership on Alberta BP use.
- c. Consider value of and interest in self-assessment tool or self-audit checklist.
- d. Determine availability of data sources and other factors that would have to be addressed in order to establish and develop baselines for measuring industry sector energy efficiency.
- e. Consider case studies as part of a communications and awareness strategy.

## **3. COMMUNICATION AND AWARENESS**

**Purpose:** Raising industry sector awareness of energy efficiency issues and relationship with GHG emissions reduction.

**Timeframe:** commence immediately, and continue as ongoing effort.

- a. Develop a variety of strategies to inform ARHCA members about the existence, purpose and goals of the MOU and the Coordinating Committee and the proposed activities in the work plan. This is a priority effort to implement first and then follow up regularly.
  - i. Develop brief articles for ARHCA publications, such as the 'e-roadrunner' or other communication means, to inform members how to develop a positive image for the

