

**Applicant organization:** City of Leeds EPA OAR-CPRGI-23-07

**Application Title:** Alternative Fuels Integration System for Cement at Heidelberg Materials US, Inc. Leeds Plant

**Primary contact:**

Brad Watson, City Administrator  
1409 9th St.  
Leeds, AL 35094  
Office 205-699-0907  
[bwatson@leedsalabama.gov](mailto:bwatson@leedsalabama.gov)

**Business contact:**

Lydia Vollmann, Director of Grants  
Management Office  
300 E. John Carpenter Fwy  
Irving, TX 75062  
Office 972-653-6101  
[Lydia.vollmann@heidelbergmaterials.com](mailto:Lydia.vollmann@heidelbergmaterials.com)

**Type of Application:**

Individual application

**Funding Requested:**

\$6,995,290

**Brief Description of GHG Measures:**

**Alternative Fuels Integration System.** This project aims to evaluate the viability of integrating alternative, low-carbon fuels into the cement production process at Heidelberg Materials. The feasibility study will assess the environmental, technical, and economic implications of substituting traditional fossil fuels with sustainable alternatives. It seeks to identify the most promising low-carbon fuels that can significantly reduce greenhouse gas emissions by approximately 780,000 tons of CO<sub>2</sub> per year.

**Sectors:**

1. Industry;
2. Waste, water, and sustainable materials management;

**Expected Total Cumulative GHG Emission Reductions**

The project aims for a cumulative reduction of approximately 4.68 million metric tons of CO<sub>2</sub> from 2025 to 2030 and about 20.28 million metric tons of CO<sub>2</sub> from 2025 to 2050.

- **2025 through 2030:** 780,000 metric tons × 6 years = 4,680,000 metric tons of CO<sub>2</sub>
- **2025 through 2050:** 780,000 metric tons × 26 years = 20,280,000 metric tons of CO<sub>2</sub>

**Location:** Leeds Cement Plant and Terminal, 8401 2nd Avenue SE. Leeds, Alabama

**Applicable PCAP Reference:**

Our proposal was selected as a priority for the PCAP because they directly contribute to the overarching goals of the Climate Pollution Reduction Grants (CPRG) program by targeting significant, measurable reductions in GHG emissions within the industry sector. This project, coordinated by Heidelberg Materials through the City of Leeds,

Alabama, is closely aligned with greenhouse gas (GHG) reduction measures included in the Alabama PCAP and has been selected as a priority due to its potential to significantly reduce the carbon intensity of the cement production process in Alabama.

Heidelberg Materials' measures are included in the Alabama Department of Environmental Management (ADEM) PCAP. Project 3: Industrial Decarbonization on page 19.