

# Coal Combustion Products: Recommendations to Increase Utilization



In its June 3, 2008, Report on Recovered Mineral Components (RMC), the U.S. Environmental Protection Agency offered recommendations to Congress to increase the beneficial use of CCPs (particularly fly ash).

The American Coal Ash Association supports these recommendations. In addition, the ACAA is suggesting incentives to encourage increased beneficial use of CCPs. These items are divided into three areas:

1) owner stewardship; 2) education, technical assistance, and recognition; 3) economic impact and incentives.

## #1 Owner Stewardship



- Comprehensive Procurement Guidelines (CPGs) have been established for Federal projects. The EPA should work with other agencies to identify and track cement and concrete purchases using recovered mineral components including the volume purchased.
- Review all options for oversight of compliance with the CPGs.
- Assist state and local governments with implementation of purchasing programs that include RMC options.
- Work with private owners and groups such as the Building Owners and Managers Association to recognize the value of specifying CCP use in their projects.

## #2 Education, Technical Assistance, and Recognition



- Publicize greenhouse gas (GHG) reductions available by using RMCs.
- Develop effective databases of sources of information on commercially available products and guidelines for use.
- Identify and develop optimization protocols for improved performance and increased benefits for RMC use.
- Continue to harmonize ASTM and AASHTO standards.
- Assist in integration of RMC use as an element of sustainable practices in buildings, transportation, and infrastructure.

Examples of programs providing guidelines and/or recognition are ANSI National Green Building Standard, LEED, Green Globes, and the Green Highway Partnership.

- Support and expand the C<sup>2</sup>P<sup>2</sup> program.

...see reverse.



**For more information please visit: [www.coalashfacts.org](http://www.coalashfacts.org)**

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- Support the work of technical societies such as the American Concrete Institute, ASTM International, and others in expanding sustainable construction practices.
- Work with state and local trade associations to eliminate barriers to RMC use.
- Support the ACAA Annual CCP Production and Use Survey.
- Support research on effects of mercury control technologies to maintain RMC suitability for beneficial use.
- Recognize "champions" – organizations or individuals that provide leadership in growing beneficial use.



### #3 Economic Impact and Incentives



- Publicize energy savings available by using RMCs.
- Track and report the value of RMC use versus virgin materials.
- Promote education on the value of life-cycle analysis of RMC applications.
- Provide bonus payments in FHWA and FAA projects for meeting RMC goals in transportation projects.
- Provide monetary incentives for installation of mercury control technologies that enable continued utilization of RMCs. Note: Monetary incentives may take the form of tax incentives, low cost loans, tax-free bonds or other instruments.
- Provide monetary incentives and eliminate regulatory barriers for power plant improvements that increase the commercial viability of RMCs.
- Research and report on RMC market potential and barriers in EPA regions.
- Provide monetary incentives for creating logistical solutions to increased beneficial use.
- Provide monetary incentives for increasing RMC shipments for beneficial use versus prior year results.



**Through improved owner stewardship, education, and economic incentives, optimizing the beneficial use of recovered mineral components will simultaneously assist in maintaining our quality of life and improving the environment.**

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