

**Grant Round Application for LRC-LXX (70)**

**TECHNICAL ADVISOR'S SUMMARY & RECOMMENDATION  
LRC-LXX (70) – B**

**“Center for Air Toxic Metals Affiliates Program – 3-Year Continuation of Membership”**

Submitted by: Energy & Environmental Research Center

Request for: \$45,000; Total Project Costs: Anticipated at \$1-2M per year; Project Manager: John Pavlish

Project Duration: 36 Months

**Description of the Project:** The project is a renewal of an existing project that will further the understanding of air toxic metals issues and resolve many key questions put forth by affiliate sponsors under joint funding from the affiliates and the U. S. Department of Energy (US DOE). This research has focused on mercury and related trace elements. The program seeks to add to the overall understanding of the behavior of these trace elements and uses that information to identify cost-effective strategies that can be applied to a range of energy conversion systems. In the past this program has worked closely with the lignite industry and based on changing regulations expected for mercury and other trace elements should be available to identify strategies that will help the industry respond to new regulations.

**Technical Advisor's Recommendation: Fund**

Fund contingent on:

- a. Confirmation of US DOE funding.
- b. Confirmation of participation of additional industry partners in Center for Air Toxic Metals (CATM) Affiliates Program.

**Conflict of Interest:** Energy & Environmental Research Center