Task 7.1 - Strategic Planning

**Semi-Annual Report
July 1 - December 31, 1996**

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TASK 7.1 - STRATEGIC PLANNING

1.0 INTRODUCTION

Energy industry decisions on resources, utilization technologies, and environmental control measures are made in reference to changing patterns of fuel cost and availability, emerging technological choices, externality impacts, and governmental policies, statutes, and regulations. Energy and environmental research that makes a difference must be performed with an awareness of the forces that shape these future trends and should anticipate needs in advance to compensate for developmental lead time. Research relevance begins with the appropriate selection of research thrust and topical content and ends with integration, interpretation, and application of results in real-world commercial development. The Energy & Environmental Research Center (EERC) has endeavored to maintain a highly relevant research focus through activities dating back to the benchmark 1980 Low-Rank Coal Study, 1983 defederalization plans, and the 1991 comprehensive white paper on energy policy and technologies. Work was completed in FY94 on an energy and environmental profile for selected East Central European nations.

Task 7.0 continues a limited effort devoted to strategic studies under the base Cooperative Agreement. The objective of this activity is to understand the potentialities, limitations, and status of competing energy technologies in terms of scientific basis, state of development, technical barriers, cost, efficiency, policy treatment, and environmental performance for the purpose of planning and evaluating research activities under the Cooperative Agreement. This work will be performed under the direction of the EERC Director and Associate Directors to provide guidance for planning the broad outline for future research under the Cooperative Agreement in keeping with industry needs and national goals. This is being accomplished through directed studies and technical oversight.

2.0 ACCOMPLISHMENTS

As directed by the EERC senior management, activities during the reporting period have focused on research in support of the development of a series of white papers dealing with the status and future direction of select areas of environmental policy. These areas include 1) brownfields, 2) onshore solid waste management, 3) water-related policy, 4) climate change, 5) nuclear facility cleanup and waste disposition, and 6) air emissions. Each white paper is designed to consist of two parts: 1) a summary of status and future directions and 2) an evaluation of a select group of key issues. The EERC believes that energy and environmental issues are inseparable and the environmental policy evaluations are considered to be a continuation of the activities begun at the EERC in 1989 focused on the assessment of trends and policies affecting energy industries. The conclusions reached are our own, based on a broad list of sources with certain findings attributed by reference.

Accomplishments during the reporting period include the following:

- Preparation of draft white papers
 - Issues concerning the nuclear sector were discussed in the context of
1) commercial nuclear power, 2) the defense sector, 3) waste management,
4) radiation exposure and impacts, and 5) policy directions.
 - Air quality issues were discussed in terms of the Titles of the Clean Air Act.
- Work continued on the white paper concerning water-related issues.

3.0 FUTURE WORK

In the coming reporting period, efforts will focus on continued preparation of white papers on select policy areas and on the assessment of the future direction for the Cooperative Agreement.

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(10/88)U.S. DEPARTMENT OF ENERGY
FEDERAL ASSISTANCE MANAGEMENT SUMMARY REPORTFORM APPROVED
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1. Program/Project Identification No. DE-FC21-93MC30097		2. Program/Project Title TASK 7.0 STRATEGIC STUDIES				3. Reporting Period 10-1-96 through 12-31-96																																																																																																							
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11. Major Milestone Status	Units Planned	Units Complete
7.1 Strategic Planning/Management	P	
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12. Remarks			
13. Signature of Recipient and Date 1-31-97	14. Signature of DOE Reviewing Representative and Date		

**U.S. DEPARTMENT OF ENERGY
FEDERAL ASSISTANCE MANAGEMENT SUMMARY REPORT**

1. Program/Project Identification No. DE-FC21-93MC30097		2. Program/Project Title TASK 7.0 STRATEGIC STUDIES		3. Reporting Period 10/1/96 through 12-31-96	
4. Name and Address Energy & Environmental Research Center University of North Dakota PO Box 9018, Grand Forks, ND 58202-9018 (701) 777-5000				5. Program Start Date 01-12-93	
				6. Completion Date 12-31-97	
Milestone ID. No.	Description	Planned Completion Date	Actual Completion Date	Comments	
Subtask 7.1					
a	Provide information and analysis of external issues, technological developments, and EERC program performance	12/96			
b	Provide results of analyses	12/96			
c	Incorporate analyses into published results	12/96			
<p>• Project extended to 3/97</p>					

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