

Quarterly Progress Report

Project Title: **Development of a Regional Hydrogen Technology Education Consortium (HyTEC)**

Covering Period: **October 1 – December 31, 2004**

Date of Report: **January 17, 2004**

Recipient Organization: **North Carolina A&T State University (cost share)**

Partners: **University of Florida (cost share)**
 University of Georgia (cost share)
 University of South Carolina (cost share)

Technical Contact:

Business Contact

Task 1 - (Status-ongoing) University Courses. During the reporting period, a preliminary course outline was developed for a course on Fuel Cells. Portions of the proposed course material were used in an existing undergraduate Energy Conversion course (EML 4450) to test the material and get student feedback. Several course modules for application of engineering principles of heat and mass transfer, fluid dynamics and thermodynamics to hydrogen Energy Systems are already completed and available.

Task 5 – (Status-ongoing) Electronic Newsletter. No activity was performed in the area of generating an electronic newsletter. The newsletter production has been scheduled into the University of Florida editorial office activities.

Task 6 – (Status – ongoing) Hydrogen Technology Demonstration. Tours of the Fuel Cell Laboratory and Fuel Cell bus were provided to about 20 members of the general public. The Solar Hydrogen Production facility construction continues.

Task 6. Plans for Next Quarter:

During the next quarter, improved fuel cell course material will be tested as part of a graduate level Energy Conversion class (EML 6451). The lecture material is also being videotaped for subsequent review. The course outline will be further refined and improved. Production of a hydrogen newsletter for the general public will commence. Additional tours and demonstrations will be performed.