

## IX.7 Raising H<sub>2</sub> and Fuel Cell Awareness in Ohio

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Project Start Date: March 2009

Project End Date: June 30, 2012

- **Milestone 11:** Develop set of introductory materials suitable for a non-technical audience (3Q, 2009)
- **Milestone 13:** Develop material for community seminars (ongoing)
- **Milestone 16:** Develop database of state activities (ongoing)
- **Milestone 17:** Hold “Hydrogen 101” seminars (3Q, 2009 through 2Q, 2012)

### FY 2011 Accomplishments

- July 13, 2010 – Ohio Fuel Cell Coalition Board Meeting - Dublin, Ohio – 45 people
- July 14, 2010 – China Export Commission - Toledo, Ohio - 15 people
- July 22, 2010 – Cleveland, Ohio – 40 people
- August 7, 2010 – Akron, Ohio – 25 people
- August 26, 2010 – Columbus, Ohio – 100 people
- September 16, 2010 – Canton, Ohio – 25 people
- September 30, 2010 – Dublin, Entrepreneur Center Presentation - Dublin, Ohio – 50 people
- October 18- 21, 2010 – Annual Fuel Cell Seminar - San Antonio, Texas – 25 people
- October 26, 2010 – Youngstown, Ohio – 35 people
- November 2, 2010 – Presentation at First Energy - Eastlake, Ohio – 50 people
- November 23, 2010 – Regional Economic Development Forum - Mansfield, Ohio – 35 people
- December 2, 2010 – Kent, Ohio – 20 people
- December 20, 2010 – IAB Board Meeting - Canton, Ohio – 10 people
- January 7, 2011 – Cincinnati, Ohio – 10 people
- January 25, 2011 – Ohio Fuel Cell Coalition Board Meeting - Logan, Ohio – 20 people
- February 15, 2011 – Ohio Fuel Cell Members Forum - Washington, DC – 20 people
- March 1, 2011 – Dayton, Ohio – 20 people
- March 23, 2011 – Kent City Leadership - Kent, Ohio – 20 people
- April 18 & 19, 2011 – North Canton, Ohio – Ohio Fuel Cell Symposium – 210 people
- April 26, 2011 – Wayne County Chamber - Orville, Ohio – 10 people
- May 21, 2011 – Ohio Society of Professional Engineers - Cleveland, Ohio – 50 people
- June 7, 2011 – Regional Leadership Forum - Lima, Ohio – 50 people
- June 8, 2011 – Northwest Ohio Leadership Forum - Perrysburg, Ohio – 30 people

### Fiscal Year (FY) 2011 Objectives

- Increase understanding of hydrogen and fuel cell technologies among state and local governments by 10% compared to 2004 baseline.
- Increase knowledge of hydrogen and fuel cell technologies among key target populations (state and local governments) by 20 percent compared to 2004 baseline.

### Technical Barriers

This project addresses the following technical barriers from the Education section of the Fuel Cell Technologies Program Multiyear Research Development and Demonstration Plan:

- (A) Lack of Readily Available, Objective and Technical Accurate Information
- (B) Mixed Messages
- (C) Disconnect Between Hydrogen Information and Dissemination Networks
- (D) Lack of Educated Trainers and Training Opportunities
- (E) Regional Differences
- (F) Difficulty of Measuring Success

### Contribution to Achievement of DOE Education Milestones

This project will contribute to the following DOE Milestones from the Education section of the Fuel Cell Technologies Program Multiyear Research Development and Demonstration Plan.

The Ohio Fuel Cell Coalition was tasked with raising the awareness and understanding of Fuel Cells and the Hydrogen economy. In 2010 through 2011 the Ohio Fuel Cell Coalition held 23 community leaders forums. An annual community leader's forum was held in conjunction with the 2011 Ohio Fuel Cell Symposium. On April 18 and 19 over 210 people gathered at the Kent State Stark Campus for the 2011 Ohio Fuel Cell Symposium, the theme this year was Economic Opportunities Through the Fuel Cell Supply Chain. The symposium presented by the Ohio Fuel Cell Coalition began with two USDOE Community Leaders forum where participants had an opportunity to learn about Fuel Cells and the Hydrogen Economy. On Day 2 of the symposium the audience heard from a series of fuel cell integrators and fuel cell leaders, on the importance of the supply chain in fuel cell development. In the morning of the first day we heard from Mark Fleiner of Rolls-Royce Fuel Cell Systems and John O'Donnell, President of Stark State College of Technology discussed the emerging fuel cell clusters in North Canton, Ohio. A panel discussion was held in the afternoon with Steve Sinsabaugh, Lockheed Martin; Tim Lowe, Vice President of Sales of Energy Technologies and Vince Contini from Battelle who discussed Ohio's strength in the fuel cell genset arena. This event allowed the Coalition to educate over 210 individuals on fuel cells and the hydrogen economy which exceeded our expectations.



## Approach

The approach we used and will be using for all the Community Leaders Forums will be presentations by the Ohio Fuel Cell Coalition in conjunction with regional leaders. The presentations will be followed by question and answers periods followed up by informal discussions on fuel cells and the hydrogen economy.

## Results

In summary, the Community Leader Forums have been very successful in the last year with over 915 people being drawn to them. As always we followed up the forums with a survey and the survey results were very positive in that the participants had a significant increase in knowledge and awareness of fuel cells and the hydrogen economy.

## Conclusions and Future Directions

We have received additional input on the Community Leaders Forums and we continued to add input to future events. The following Community Leader Forums will be held in the next three months:

- Cincinnati, Ohio
- Toledo, Ohio
- Athens, Ohio
- Cleveland, Ohio
- Akron, Ohio