



# Improved Efficiency in Enforcing Hydrogen Codes and Standards at the State Level

Chris Daetwyler

Program Manager, SCHFCA

Fuel Cell Seminar & Exposition

Columbia, SC

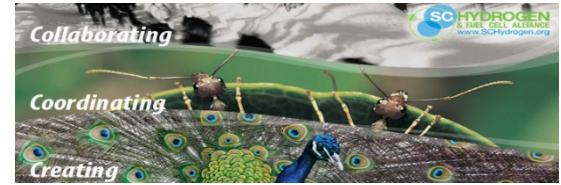
November 18, 2009 (5:00-5:30 PM)

*Collaborating    Coordinating    Creating*

# Building a Team for Action

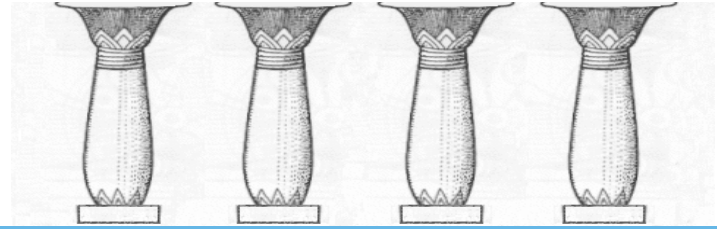
- Seeking out the experts
- Engaging in discussion
- Formulating solutions
- Selling the plan
- Supporting the effort (once it's out of your hands!)





## SCHFCA Mission

The South Carolina Hydrogen and Fuel Cell Alliance is a public-private collaboration for cooperative and coordinated utilization of resources in the state used to advance the commercialization of hydrogen and fuel cell technologies.



# Market Preparation Phase, 2008-2010

- Transitional Infrastructure Development
- Research and Technology Transfer
- Education and Outreach
- Policy Development and Implementation

## Beginnings: Early 2008

- Internal discussion of codes
  - Potential barrier to entry
- Assembled team to investigate local solutions
  - Technology developers
  - Project managers
  - Government/Regulatory Officials



# The Team



Applied Research Center



*Collaborating    Coordinating    Creating*



## The Discussion

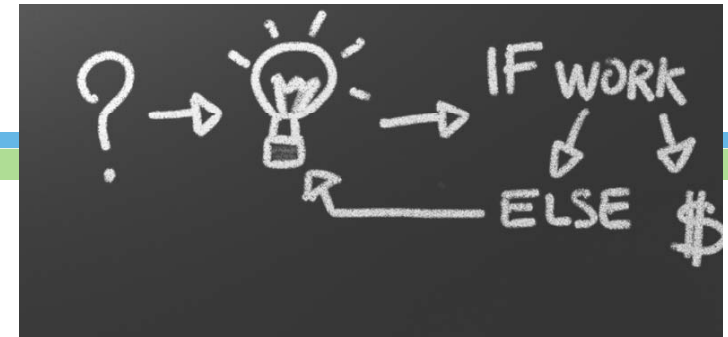


- What is the current status locally/nationally
  - Input from DOE Codes and Standards leaders
- Where can we have the greatest impact
  - Quick and efficient codes adoption at state level
  - Shape state policy
  - Educate local officials
- What solutions can we develop



# The Solutions

- Codes adoption:
  - Keep up to date on newest codes releases
- Codes Official education:
  - Provide/promote workshops & seminars
- State policy:
  - develop mechanism(s) to reduce inefficiency in the system



## The Plan

- Propose legislation to consolidate permitting of hydrogen and fuel cell facilities at the state level.
- Many benefits: for citizens, authorities (AHJ's) and industry.
- Formulate an approach



## Potential Benefits

- The benefits of placing authority with the Office of the State Fire Marshall include:
  - Increased public safety with a state hydrogen expert
  - Better business environment for hydrogen and fuel cell facilities
  - Improves efficiency of educating local permitting officials
  - Helps educate local communities of hydrogen as a transportation fuel

## Selling the Plan



- Approach statewide government associations for buy-in.
  - Municipal Association of South Carolina (MASC)
  - South Carolina Association of Counties (SCAC)
  - SC Office of the State Fire Marshal (OSFM)
- Gathered feedback and adjusted concept to fit



## Finding a Champion

- Drafted proposed version of legislation
- Presented our concept to members of the SC House and Senate
- Accepted by Speaker of the House
- SC Legislative Counsel drafted legislation
- Introduced to the Legislature April 2009

*Collaborating    Coordinating    Creating*

## Current Status



- Hydrogen Permitting Act (H. 3835)
  - April 1, 2009: House introduced bill. Passed on April 3.
  - April 14: Senate introduced bill and referred it to the Committee on Judiciary
  - April 16: Bill referred to the Subcommittee where it awaits return of legislature in early 2010

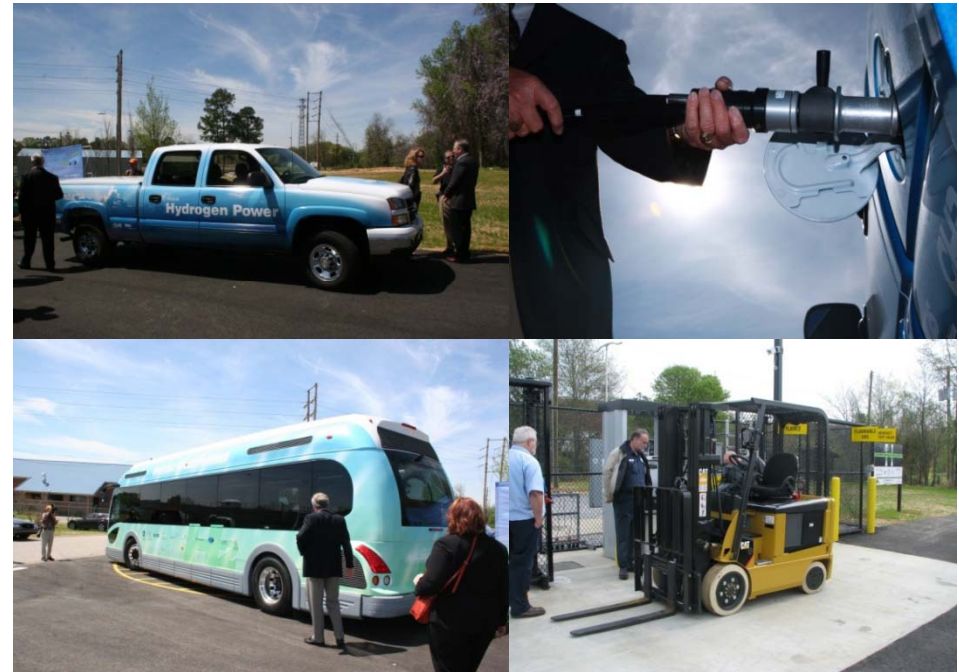
# Supporting the Effort

(once it's out of your hands!)

- Remain accessible to Legislators for reference
- Provide information as needed
- Educate the locals
- Keep codes current
- Continue dialog between stakeholders

## Summary

- Seek out the experts
- Engage in discussion
- Formulate solutions
- Sell the plan
- Supporting the effort





## Contact Info

Chris Daetwyler

Program Manager, SCHFCA

803-586-7432

daetwyler@schydrogen.org