

# Strategies for Hydrogen Code Development Beyond 2006

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Guiding principles for 2006 I-Codes

Elicit more industry participation

Beyond 2006 “Who carries the Torch?”

# Guiding Principles for C&S Development

- Priority is Separation Distance Validation
  - Assess the “dominant” safety issue
    - Radiant heat (public, structures, flammables)
    - Pressure (kinetic energy release)
    - Volume (gas, liquid, hydride)
    - Electrical Hazard (classification vs. zone)
  - ┌ Use “dominant” issue as basis for distance
  - ┌ CONSISTENT TECHNOLOGY TREATMENT
    - FC’s, generators, compressors, storage, etc.

# More Industry Participation

- NHA
  - The industry's clearing house
  - H2 Safety Report to include
    - Add C&S Communicator section
    - “Red-light, Green-light” call to action!
  - Web link to H2 C&S activities from single source
    - Building codes
    - Appliance/Equipment standards
    - Vehicles

# Beyond 2006

## Who's gonna do the work?

- Why not NHA?
  - Create Hydrogen Code Action Committee
  - Elicit input through DOE H2C&SCC
  - H2 Safety Report as communicator
- Research for C&S pitched as opportunity to academia
  - NHA Code Committee establishes “need”
  - Use DOE R&D Roadmap as guiding principles
- DOE/ANSI Portal
  - Goes public as DOE HFCIT subscription service
  - Application driven (FC's, storage, transportation)
  - Latest C&S affecting hydrogen
  - Draft standards too! (for comment)
  - Draft comments circulated to affected SDO's