

# HTAC 2012 Annual Report Update

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*November 16, 2012*

*HTAC Meeting*

# Proposed Schedule

- **Mid Nov:** Request input from committee; Meet with DOE
- **Mid to Late Dec:** Draft Report
- **Jan:** Circulate to Policy And Planning Committee For Comment and Reactions,
- **Feb:** Final Draft To Whole Committee
- **Mid-March:** To Secretary

## **Proposed Outline (8 pages total)**

# **Hydrogen and Fuel Cell Commercialization and Technical Development Activity**

- **Context 2012**
- **Technical Advances and Program Goals**
- **Commercial Deployments**
  - **Material Handling Equipment**
  - **Back-up Power and remote Power**
  - **Stationary Power Systems (incl. CHP& Tri-gen)**
- **Technology and Demonstration Activities**
  - **H2 infrastructure**
  - **Fuel Cell cars**
  - **Fuel cell buses**
  - **“Green” Hydrogen**
  - **Energy Storage**
- **Research and Analysis (by topic)**
- **Regulations, Codes and Standards**

# Comments from Committee

# Request Input from Committee

## SUGGESTIONS FOR TOPICS TO INCLUDE

Please fill in below up to five hydrogen-related “stories” that you think are most noteworthy and should be mentioned in the HTAC Annual Report. These “stories” can include events, significant technology results, new business initiatives/activities, new policy initiatives, key reports, even setbacks or adverse results.

- 1
- 2.
- 3.
- 4.
- 5.

Please complete this form by December 1 and email it back to  
Joan Ogden: [jmogden@ucdavis.edu](mailto:jmogden@ucdavis.edu)  
Shawna McQueen: [smcqueen@energetics.com](mailto:smcqueen@energetics.com)

**Use the following as a guide in selecting your 3-5 key H2 “stories” for 2012, but please don’t be limited by it. Be creative and draw on your own involvement in the H2 field.**

**Key Reports:**

NPC Report; DOE Transportation Energy Futures study; State-level roadmaps

**Product Introductions, Events:.**

introductions of limited numbers of hydrogen vehicles into the market

New fueling stations

FCs in stationary applications

**Technology Events: e.g. breakthroughs in**

Stack durability/cost reduction;

New storage systems;

New membrane technology

**Major Policy Decisions/Initiatives:**

State level (hydrogen highway);

Federal level ;

Initiatives outside the U.S.

**New Entrants into the Hydrogen Space:**

Major corporate initiatives

New start-ups

Mergers or spin-outs

**Setbacks: e.g.**

Programs cancelled; Failed policy initiatives; Accidents

# **Volunteers?**

## **Context 2012**

## **Technical Advances and Program Goals**

## **Commercial Deployments**

- Material Handling Equipment**

- Back-up Power and remote Power**

- Stationary Power Systems (incl. CHP& Tri-gen)**

## **Technology and Demonstration Activities**

- Green Hydrogen**

- H2 infrastructure**

- Fuel Cell cars**

- Fuel cell buses**

- Energy Storage**

## **Research and Analysis (by topic)**

## **Regulations, Codes and Standards**