Joint Meeting on Hydrogen Delivery Modeling and Analysis
FreedomCAR and Fuels Partnership Hydrogen Delivery, Storage and
Fuel Pathway Integration Tech Teams
May 8-9, 2007 ♦ Energetics Incorporated, Columbia, MD

Meeting Agenda

AGENDA: May 8

7:30   *Arrival and Coffee*

8:00   Welcome, Introductions, Purpose and Agenda: Mark Paster (DOE-HFCIT)

8:15   H2A Delivery Model Changes and Discussion: Matt Hooks (TIAX LLC), Bruce Kelly (Nexant), Jerry Gillette (ANL), Matt Ringer (NREL), Amgad Elgowainy (ANL)

> 8:15   Forecourt Compression & Storage/Infrastructure Storage Optimization, GH2 Compression Costs, GH2 Storage Costs: Bruce Kelly and Matt Hooks

> 8:35   LH2 Pumps, Evaporators, and LH2 Storage: Forecourt and Terminals: Matt Hooks, Jerry Gillette

> 8:50   GH2 and LH2 Forecourt Land Areas: Matt Hooks

> 9:05   Terminal Land Areas: Jerry Gillette

> 9:15   Liquefaction and Pipeline Cost: Bruce Kelly

> 9:30   Miscellaneous Costs – Indirect Capital, O&M Factors, Labor and Labor Scaling, Losses: Matt Ringer

9:45   *Break*

10:00   H2A Delivery Model: New Results and Discussion: Mark Paster (DOE-HFCIT), Amgad Elgowainy (ANL)

11:30   Discussion: Next Steps for H2A Delivery Models (Primary Pathways): Mark Paster

12:00   *Lunch*

12:45   Potential Carriers and Approaches for Hydrogen Delivery: Matt Hooks (TIAX LLC)

1:45   Overview of Storage Issues and Needs: Sunita Satyapal (DOE-HFCIT)

1:55   Onboard Storage System Analysis for Chemical Hydrides: Rajesh Ahluwalia (ANL)

2:50   Summary of On-Board Storage Models and Analysis: Steve Lasher (TIAX LLC)

3:45   *Break*

4:00   Well to Pump and Well Through Tank H2A EE and Emissions Model: Amgad Elgowainy (ANL)

4:30   Discussion: Needs and Next Steps for Delivery and On Board Storage Modeling and Coordination: Mark Paster (DOE-HFCIT)

5:30   *Adjourn*

AGENDA: May 9

8:00   *Arrival and Coffee*

8:30   HyPro Transition Model: Brian James and Julie Perez (Directed Technologies, Inc.)

9:30   HyTrans Model: Paul Leiby (ORNL)

10:30   *Break*

10:45   H2-NEMS Model: Frances Wood (OnLocation, Inc.)

11:45   *Lunch*

1:00   Discussion: Needs and Next Steps for Modeling and Analysis

2:30   *Adjourn*