



Joint CVEF Technology Committee and IANGV Technical Committee Minutes

D R A F T 9/19/2009

September 19, 2009 8:00 AM 12:15 PM PDT
Long Beach Convention Center, Long Beach, CA

Attendance:

Mike Eaves, CVEF TC Chair, Clean Energy
John Lapetz, Secretary, CVEF
Dave Myers, Luxfer
Ron Eickelman, FAB
Ron Gulmi, National Grid
Gordon Larson, Questar
Robert Zeiler, Chesapeake Energy
Dan Gleason, Dynetek Energy
Dave Pearce, Greenfield Compression
Rob Baczyinski, DTE Energy/Michcon
Graham Barker, AQT
Roger Conyers, IMW Industries
Dev Patel, Kraus Global Inc.
Tom Sewell, Tulsa Gas Tech
Gary Evans, AFSC
David Ross, EQT Corporation
Robert J. Sesso, Altech-Eco Corp
Tim Standke, Impco Technologies
David Bruderly, Wise Gas
Douglas R. Clark, Metropolitan Utilities District
Anand Rau, Toray Carbon Fibers
Tony Lindsay, Gas Technology Institute
Jared Hightower, Greenfield Compression
Roger Galloway, BAF Technologies
Bill Calvert, BAF Technologies
John Sledge, BAF Technologies
Bob Hughes, Plains E & P
Tim Boyle, ANGI
Keith Gruetzmacher, TECO Energy
Jim Grambihler, Questar
Matt, Creedon, PG&E
Bob Boston, CNG Sales
Ralph Perpetuini, ICOM NA
Albert Venezio, ICON NA
Bryan Lufglass Linde
Jim Moore, Emissions Solutions
Yoshio Cot, NREL
Steve Anthony, So Cal Gas
Jeff Clarke, NGVAmerica
Alex Lawson, IANGV
Alicia Milner, CNGVA
Rhoads Stephenson, MVFRI
Brandy Winget, State of Oklahoma
Ronnie, Oldham, Clean Fuel Conversions
Dale Tiller Lincoln Composites
Sean Turner, GNA
Ian Skelton, AGL Resources
Richard Turner, Baytech Corporation
Charles Powers, St. Croix Research
Bob Reagan, We Energies
Gregory "Woody" Woloszczuk, DTE Energy/Michcon
John Coursen, Structural Composites
Kevin Fern, Natural Drive
Lin Farmer, Automotive Testing and Development
Sean Ellen, Xperion
Paul Pitney, Husky
Marie-Genevieve Poitras, Xebec Adsorbtion Inc.
Kurt Sorsghak, Xebec Adsorbtion
Leo Thomason, NGVInstitute
Kevin Colbert, AFVi
Peter Knieps, Bosch Engineering
Pete Price, Ca. Natural Gas Vehicle Coalition
Rodrigo Wonasterio, Green Natgas
Yukari Tanimoto Lincoln Composites
Doug Horne, CVEF
Paul Kerkhoven, NGVAmerica
Rich Kolodziej, NGVAmerica
Peter Vanderhof, Casella Waste

1. Self-Introductions

The CVEF Technology Committee Chair, Mike Eaves, welcomed everyone, and asked them to introduce themselves.

2. Approval of Minutes of Last Meeting

The minutes of the October 4,2008, Technology Committee meeting were approved as submitted.

3. CVEF Project Management

Doug Horne gave an overview and status of the activities in which CVEF has been involved this year. This included supporting the ongoing NREL AFV implementation technical assistance contract that includes providing newsletters, WEBINAR's and ongoing support to the Transit Users Group (TUG), Managing the Natural Gas Vehicle Technology Forum (NGVTF), and ongoing support for Codes and Standards support for CNG,LNG, and Biofuels. Doug noted that this is the main source of funding for the CVEF and the existing contract will be ending this year. CVEF plans to respond to an anticipated RFP from NREL to continue this work. Additionally CVEF completed the NETL Cylinder Safety, Training and Inspection program in January,2009. The CVEF has also continued to conduct incident investigations with support from Industry and NREL. With support from the Clean Cities Coalition ten Compelling Case workshops have been held with a minimum of 3 additional ones to be held prior to year end, These workshops have included the attendance of over 1200 individuals from government, fleets, and end users

4. New Projects

CVEF has been awarded a 2 year contract to provide education and outreach services to DOE Clean Cities in cooperation with RFA, NBB and PERC. Additionally CVEF has been asked to prepare a proposal for the development of a best practices document for maintenance facility modifications for the use in facilities servicing heavy duty CNG and LNG trucks. Additionally CVEF is seeking support from industry stakeholders. Alex Lawson noted that the IANGV is developing a web based portal for use in communicating comments during the development of projects and consolidating input on project of an international interest. There was discussion about the need to form a TC steering committee to facilitate the progress on issues pertinent to the TC without involving the entire self appointed committee.

5. NGV RDD&D Legislation

Paul Kerkoven provided an update of the current Federal legislation of interest to the NGV community. A large number of TC attendees noted being the recipients of funds from the current stimulus program. The NGV RDD&D act of 2009, S, 1350, H.R. 3246, H.R. 3288 and H.R. 3183 are all moving through various stages of approval. It is anticipated that there will be new funding made available for NGV projects. In addition the California Energy Commission has an active PIER Transportation program with natural gas projects having been funded through PON-08-009. Future Solicitations include a Competitive Solicitation for Natural Gas Vehicle Integration and a Competitive Solicitation for LNG Fueling Infrastructure Improvements.

6. Update On C & S Activities

Doug Horne Noted that John Lapetz is chairing a task group aimed at adding language for CNG forklifts the UL 558 listing standard. CVEF is active on SAE 2343,2699,2645,2700,2403,2835 and 1704. Doug also noted he is a member of NFPA 52 ,30A and 2 as well as Chair of SAE 2700. 2645 and 1704. Doug is also Chair of US TAG to ISO. The CVEF has provided support to CSA for NGV1, NGV2, NGV3, NGV4 and PRD1

7. Recent NGV Incidents

Doug Horne described how CVEF has been active in collecting data on incidents in 2009. In particular 3 incidents required significant involvement. The report on the Philadelphia Gas Works cylinder rupture was completed in January. Investigations into incidents in Pasadena and San Diego also were investigated and reports generated. Contact John Lapetz for further information.

8. Cylinder Issues

Doug Horne described how previous incident investigations have indicated a need for smart systems for inspections and end of life for existing cylinders. Additionally work to remove Comdyne type 3 cylinders was discussed. A new project to work with NASA to study failure modes of Type 4 cylinders is under way with the need for full funding to be identified. There was general agreement this is an important issue that needs further support.

9. Conversions Issues

Doug Horne indicated that the ASE F1 test has been updated to address conversion knowledge. There was discussion about the need for conversion systems guidelines. Brandy Winget of Oklahoma described her state's efforts to bring structure to the conversion industry. Jeff Clarke described the current state of efforts to modify current EPA systems approval.

10. Adjourn

The meeting was adjourned at 12:15 p.m.