

November 2008 Overview

1. EHA in Action

EHA participated in the Commissions Hydrogen Working Group on EU H2 Vehicle Regulation. 2008-11-24. Anticipating the vote in the Council of the EU expected this December, DG Enterprise invited industry to discuss a draft of the implementing measures of the EU Regulation for hydrogen powered vehicles. The EU Commission is accepting further input and comments on this document by January 15, 2009 in preparation of its next meeting on January 27, 2009. The last draft is attached to this newsletter.

EHA presented H2 and FC educational activities at H2 and FC Masterclass at WBZW. 2008-11-18. The Weiterbildungs Zentrum fuer Brennstoffzelle in Ulm organized a three day international Masterclass for participants of the members countries of the International Partnership for Hydrogen Economy (IPHE). Experts in fuel cells and hydrogen production and distribution gave lectures on a wide range of topics to participants from Hungary, Australia and Korea. The Masterclass was sponsored by the German Ministry of Transport, Buildings and Urban affairs. The EHA, as co-chair of the Education Work Group of the IPHE, presented educational programmes in Europe and the work of the HYFED 6 secretariat in Brussels. HYFED6 is maintaining a database on educational material and is publishing a newsletter two times a year in cooperation with the IPHE.

EHA presented EU policy and regional developments at IEA Taskforce meeting. 2008-11-13. Task 23 on Small Hydrogen Reformers of the IEA Hydrogen Implementation agreement asked the EHA to present EU policy affecting hydrogen installations in Europe. The EHA referred to the ETS and IPPC legislation that is currently being discussed at the EU Parliament and for which the EHA has submitted amendments to facilitate the installation of small reformers. Also the EHA efforts to include hydrogen in the renewable energy targets when it is produced by renewable electricity were presented.

EHA participated in the Workshop Road to Copenhagen. 2008-11-06.

The Road to Copenhagen initiative was created in response to the need for business and key stakeholders to participate in and influence the process leading up to the post 2012 agreement of the Kyoto Protocol being adopted. By invitation of EU Commission Vice President Margot Wallström, Club of Madrid, Globe Europe ((Global Legislators Organisation for a Balanced Environment) and Respect Table (a business led group with focus on Sustainable Development) joined forces to create the Road to Copenhagen. The initiative builds upon the Global Leadership for Climate Action project launched in 2007 by the Club of Madrid and the United Nations Foundation and the ongoing work of GLOBE with legislators and Respect Table with the business community. The aim of Road to Copenhagen is to ensure that business and other key stakeholders have a direct input into the post 2012 agreement process via inputs to the policy process at

strategically important times. The EHA contributed to the Working Group meeting on Access to technology and capacity building”. For more information please visit [click here](#).

EHA participated in EU Parliament Hearing on precommercial procurement. 2008-11-04. The EHA participated in a hearing of MEP Malcolm Harbour, rapporteur for the EC communication the promotion of pre commercial procurement of innovative products. The EHA has followed the EU dossiers on Lead Markets and Pre commercial Procurement to increase the visibility of commercial hydrogen applications with public procurement officials at local and national level. The Lead Markets initiative of the Commission has identified six areas of strategic interest for Europe: eHealth, Protective Textiles, Sustainable construction, Recycling, Bio-based products, Renewable energies, an area that could be interesting for hydrogen applications. i.e. efficient electrolyzers. Procurement in Europe covers 45-50% of EU GDP, while public procurement is 17% of EU GDP. The EHA suggested to Mr. Harbour that the former EU Technology Platform on hydrogen and fuel cells included reference to the importance of public procurement for the development of the commercial applications and the importance of the establishment of early links to the TP's and Lead markets. The EHA is planning a meeting with the Lea Market initiative in January 2009.

2. EHA Promotion

Press

- EHA was interviewed by the public relation bureau that is developing a communication strategy for the JTI. The EHA referred to the need to coordinate key messages and to increase the visibility of hydrogen in new media as web based communities. The EHA also explained its efforts to increase the visibility of hydrogen applications to key EU decision makers in the city of Brussels. The EHA offered to collaborate with the JTI to develop a joint strategy in view of the new EU Parliament and Commission in 2009

Membership

- EHA met with GdF Suez on November 21 to discuss GdF Suez membership for 2009; GdFSuez is interested in integrating clean energy technologies in urban areas. Over the last months the EHA has invited GdFSuez the biggest power supply company in Europe and Belgian's main energy company to join meetings with the technical staff of EU buildings in Brussels to discuss the integration of different energy technologies.
- The EU project HySAFE has contacted the EHA to inquire about the hosting of its secretariat in Brussels.

Conferences

- The EHA has been invited to a conference on the EU Science Cities Programme at the Region of West Midlands Brussels representative office, on December 9, 2008.
- EHA will present “Hydrogen and fuel cells as strong partners of renewable energy systems at the 9th Annual conference of the Dutch Hydrogen and Fuel cell

Association in Papendal on December 11, 2008. For more info visit:

www.waterstofvereniging.nl.

- EHA is hosting a seminar on the public procurement of clean vehicles in Brussels on December 17, 2008 from 930 till 1300. More info at www.procura-fleets.eu.
- The EHA is hosting the HYRaMP Board meeting on December 18, 2008. For more info on HYRaMP visit www.hy-ramp.eu
- The EHA is preparing the next EHA national member association workshop on the occasion of the EU Sustainable Energy Week in Brussels from February 9-12, 2009. EHA National Associations are asked to communicate topics of their interests as well as requests to present their national programmes to include in the Workshop to the EHA secretariat at info@h2euro.org. The final date of the Workshop will be communicated shortly.

Financing

The EHA has compiled a small table of EU, US and other national support plans (in € bln) that have been announced recently and the specific support for car manufacturers.

	Financial Plan	Car manufacturers	Other incentives
EU	200	4 for clean cars	2,2 energy efficiency
France	19	400 mln for low carbon vehicles	€ 1000 recycle premium
Spain	11	800 mln	
Germany	30	No support	
US	700	34 (requested)	

3. EHA Taskforces

1. Hydrogen in the City

The EHA is organizing a technical meeting with the technical staff of the EU Parliament with EU industrial members on December 18, 2008 in Brussels. As follow up of an informative meeting that the EHA organized on October 15 for the technical staff of the EU Parliament buildings, the EHA submitted a list of hydrogen and fuel cell solutions for back up power, material handling equipment and hydrogen supply solutions. The EU Parliament recently approved a resolution to lower its carbon footprint by 30% by 2020.

2. Strategic Energy Technology Plan (SET Plan).

As mentioned in our last report, the EHA is currently verifying the contact details of the of Member States' Representatives of the SET Plan Steering Committee via EHA national association members. There has also been created a European Energy Research Alliance of the managing directors of 10 research institutions to align programmes and funding to the SET Plan activities; a list of the institutions can be found at <http://www.eera-set.eu>.

3. EU 2009

The EHA has developed a draft of an EHA Value proposition to communicate key messages to prospective members and EU decision makers in view of the EU Parliament election and subsequent appointment of the new EU commission in 2009.. The final version will be discussed at the next EHA board meeting on January 27, 2008 in Brussels.

4 EU News

EU Commission, Parliament and Council reach agreement on vehicle CO2 emission. 2008-10-27. Car emissions in 2015 will have to be reduced by 18% by a gliding scale of annual emission reduction. The month of November saw a intensive discussion in the 'trialogue' discussions between Parliament Commission and Council; a French proposal was adopted on December 1 to gradually limit CO2 emissions to 120 g/km for 65% of new cars in 2012, 75% in 2013, 80% in 2014 and 100% in 2015 (European Commission had initially proposed introducing the caps on all new cars sold in the region in 2012. A target of 130g/km is to be reached by improvements in vehicle motor technology. A further 10g/km reduction towards the 120g/km target should be obtained by other technical improvements, such as better tyres or the use of biofuels. The agreement also reduced the proposed fines against carmakers that breach the limits. Between 2012 and 2018, the fine will be €5 for the first gram of CO2, €15 for the second gram, €25 for the third and €95 from the fourth gram of CO2 onwards. From 2019 manufacturers will have to pay €95 for each gramme exceeding the target. The Commission had proposed to start fines at €20 per exceeding gram in 2012, rising to €35 in 2013, €60 in 2014 and, finally, €95 in 2015. In the long term, the compromise sets the target of average emissions at 95g CO2/km for the new car fleet by 2020.

EU Commission, Parliament and Council reach agreement on EU Fuels Directive. 2008-10-25. An agreement was reached between the EU Parliament, Commission and Council on November 25 on the content of the new EU Fuels Directive. The Parliament and the Council have agreed on a 6% mandatory lifecycle GHG reduction target for fuel suppliers by 2020 as well as intermediate targets of 2% by 2014 and 4% by 2017. Greenhouse gases include CO2, methane (CH4) and nitrous oxide (N2O). Lifecycle greenhouse gases of fuels include gases emitted during exploration, refining, distribution and combustion of the fuels. Combustion CO2 emissions (about 85% of current lifecycle emissions), cannot be influenced by the supplier. The law implies that the remaining 15% need to be cut to 9% - roughly a 40% cut in non-combustion emissions. Fuel suppliers can choose how to achieve this. In the agreement the sustainability criteria for biofuels as suggested by the EU Parliament were left out as they will be included in the new EU Renewable Directive.

Proposal to establish EU High Level Group for Sustainable Urban Development. 2008-11-25 The EU-27 urban development Ministers met in Marseille to discuss how different policies can contribute to sustainable urban development. As a follow-up to the May 2007 Leipzig Charter on integrated sustainable urban development, ministers

committed to building a reference framework for sustainable cities. The framework would outline the general principles of a sustainable city: an integrated approach of all public policies and all levels based on interaction of environmental, economic and social sectors. As for the general architecture of the reference framework, ministers called on different stakeholders to set up focus groups to coordinate joint assessment of the local sustainable development and identify areas for improvement. The ministers think that technical assistance and professional training could be considered for these focus groups in order to ensure capitalisation and dissemination of the results. According to the French EU Presidency, the final architecture and specifications of the reference framework would be jointly developed by a high-level group made up of representatives of member states, EU institutions, local authority networks, professional associations and the civil society and by a cities work group set up as part of the URBACT project. The EHA has asked a meeting the URBACT coordinator for sustainable transport to present the role of hydrogen in clean urban transport.

EU Parliament discussed support for European car makers. 2008-11-20. MEPs discussed Europe's car industry as Industry Commissioner Günter Verheugen indicated that sales could fall by up to 1 million cars next year. Around 15 million Europeans are employed in the motor industry and one of the main names - Opel (Vauxhall in the UK) - is in difficulty due to the credit crunch and falling sales. MEPs urged greater investment to build more efficient cars and a move away from subsidies for older models.

They also want realistic targets set for manufacturers and more incentives to boost car sales in Europe and globally. A representative of the French Presidency said that European Ministers have already accepted the principle that support for Europe's car makers could be useful. Mr Verheugen said he wanted clear and predictable rules rather than subsidies. See for different national support schemes for clean vehicles under **Financing**.

Hydrogen in Second EU Strategic Energy Review. 2008-11-13

In the Second Strategic Energy Review that the European Commission presented on November 13 a five-point EU Energy Security and Solidarity Action Plan is proposed, focusing on:

- Infrastructure needs and the diversification of energy supplies;
 - External energy relations;
 - Oil and gas stocks and crisis response mechanisms;
 - Energy efficiency: with a reference to a potential use of €9 bln of EU Cohesion funds and in 2009, the Commission plans a thorough evaluation of the 2006 European Action Plan for Energy Efficiency;
 - Making the best use of the EU's indigenous energy resources: pointing to the set up of an EU Sustainable Energy Financing Initiative to mobilise large-scale funding from capital markets for investments in energy efficiency, renewable energies, the clean use of fossil fuels and combined heat and power from renewables in Europe's cities.
- Hydrogen is mentioned in the chapter Visions for the future under "Ending oil dependence in transport". On the basis of the 2008 Commission Communication "Greening Europe's transport", the Commission will study the actions necessary to put the EU at the forefront of these changes. In particular, it will consider

- (i) the need for tax breaks and other incentives, respecting state aid law, for the purchase of greener, electric, biomethane and **hydrogen** vehicles and the early retirement of older, polluting ones;
- (ii) the possibility of requiring a minimum percentage of all new government and local authority vehicles to be electric, biomethane or **hydrogen**;
- (iii) requirements for filling stations to introduce the necessary infrastructure to permit the rapid development of alternative transport across Europe. It will also consider how to catalyse further improvements in the efficiency of vehicles after 2012.

International Renewable Energy Agency established. 2008-11-03 At a conference in Madrid, 51 states laid the foundations and agreed on the text of the Statute of IRENA, the International Renewable Energy Agency, that will be signed at an official ceremony on 26 January 2009 in Bonn. IRENA will support industrialised and developing countries in expanding renewable energies. Worldwide many countries have set themselves ambitious targets for increasing the share of renewable energies in national energy consumption. A large majority of these countries would like detailed consultation and advice on this process. IRENA will aid its member states in adapting their political framework conditions, capacity building and improving financing and technology transfer for renewable energies. These will play an essential role in a sustainable and climate-friendly energy supply.

4. National News

France

More than 130 stakeholders discussed the establishment of the French Hydrogen and Fuel Cells Platform, on November 12 in Paris. EHA board member Claude Derive of the French Hydrogen Association AfH2 is coordinating the development of a first draft framework for the Platform. More info at the www.afh2.org

Germany

On the occasion of a Government supported seminar on electric vehicles GM released 10 Equinox FCV's that will be used by different types of customers that range from Insurance companies to oil companies. As an integral part of GM's strategy towards further electrification of the car, this fourth generation fuel cell vehicle is the culmination of more than 10 years of development work with hydrogen and fuel cell technology. The HydroGen4 features improvements in everyday usability, such as performance and durability. Globally, GM deploys more than 100 vehicles of this type in its Project Driveway testing program in the U.S., Japan, Korea, China, and Germany. In the U.S., more than 100,000 people have applied as mainstream drivers for the market test. Up to date, 3,400 people have driven the vehicle and 30 families have used the vehicle on a daily base in a 2-3 month deployment. In total, the vehicles were driven almost 700,000 km. Feedback from these demonstration activities not only gives GM engineers essential validation data, but also provides a valuable insight into the likely ownership and driving experience of future customers.

UK

The recently released James Bond movie featured four Ford Hydrogen Edge's and a high tech dwelling in the desert powered by fuel cells that at the end of the movie goes up in flames including the wall mounted hydrogen cylinders. In an effort to monitor the way the use of hydrogen and fuel cells is depicted in movies the EHA contacted industry experts to collect their views on the explosion of hydrogen tanks in the movie. The responses shared the EHA view that more should be done to inform movie makers on the physical characteristics of hydrogen.

News from the secretariat.

We have installed a faster EHA RSS feed system. Please upgrade your EHA RSS feeds to the new system by clicking on News feeds on the EHA website.