



INTERNATIONAL PARTNERSHIP FOR HYDROGEN AND FUEL CELLS IN THE ECONOMY

IPHE Country Update November 2015: United Kingdom

The IPHE Secretariat requests each IPHE member submit a one-page narrative update on hydrogen and fuel cell (HFC) activities. Please only report actions and developments since the last Country Update and leave Sections blank if there have been no new developments.

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1. New Policy Initiatives on Hydrogen and Fuel Cell

The Hydrogen Transport Advancement Programme (HyTAP) is an £11m programme to establish a network of up to 15 hydrogen refuelling stations to support the initial deployment of fuel cell electric vehicles in the UK. HyTAP follows on from the work undertaken by UKH₂Mobility, the joint industry and Government project which developed a plan for the roll-out of FCEVs and associated refuelling infrastructure. This envisaged an initial national network of 65 hydrogen refuelling stations by the end of 2015, increasing to 1,150 stations by 2030.

HyTAP represents a significant first step towards the provision of a national hydrogen refuelling infrastructure for the UK. HyTAP is being run by the Office of Low Emission Vehicles (OLEV) and funding was allocated through a competition. Currently 12 hydrogen refuelling stations are being supported, of which 3 are entirely new and 9 are upgrades. Work is underway and all the projects are expected to be completed before the end of 2016. Funding has also been made available to support the deployment of around 40 fuel cell electric vehicles in geographical clusters in public sector fleets. Decisions on support for further stations or vehicles will depend on the outcome of the Government Spending Review.

The Hydrogen Town study is nearing completion and a report is expected to be published in 2016. This is a desk study commissioned by the Department of Energy and Climate Change which seeks to evaluate and compare the cost of three alternative systems for low carbon heating for a town of around 10,000 inhabitants – hydrogen, district heat networks, and heat pumps (ground and air source). A study by Northern Gas Networks is looking at the cost of using hydrogen as a replacement for natural gas in the Leeds gas grid and is expected to report next year (H21 Leeds City Gate project).

2. Hydrogen and Fuel Cell R&D Update

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3. Demonstration and Deployments Update

The UK is participating in the FCH-JU project HyFive, which aims to deploy 110 fuel cell electric vehicles across Europe. The project involves 5 global automotive OEMs (BMW, Daimler, Honda, Hyundai and Toyota) and hydrogen refuelling stations in the UK, Germany,



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Denmark, Austria and Italy. The locations of the UK stations are Teddington, Hendon and Swindon. The project is being coordinated by the Greater London Authority (GLA), City Hall.

4. Events and Solicitations

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5. Investments: Government and Collaborative Hydrogen and Fuel Cell Funding

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