



IPHE Country Update

The IPHE Secretariat requests each IPHE member submit a one-page narrative update on hydrogen and fuel cell activities. Please, complete the information requested in this form and send the electronic file to iphe@ee.doe.gov by 30 March 2007.

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| Member | Japan |
| Name | Takayuki Ueda |
| Contact Information | |
| Covered Period | |

1. New Policy Initiatives on Hydrogen and Fuel Cell

As a New policy initiative on the purpose of the foundation for sustainable development through a comprehensive solution of energy issue and environment issues together, Japan government has New National Energy Strategy in May 2006. In the evolvement plan of transport and New Energy Innovation Plan in the initiative, the strategic development of new energy technology (biomass, wind power, PV etc.) as well as fuel cells hydrogen technologies that aim to realize a hydrogen-society in the future are going to be promoted.

2. Hydrogen and Fuel Cell R&D Update

- From FY2007, demonstration project of residential SOFC cogeneration system (<10 kW) will be started.
- As a consequence of our R&D project for BOPs, the cost of BOPs of PEFC co-generation system has been reduced from \$3500/system (2005) to \$1043/system (2006).

3. Demonstration Project Update

- In JHFC project, we have driven a hired car as the fleet demonstration in metropolitan area in Dec.2007, the FC bus in Chubu area in Apr.2006, and wheelchairs as other small FCVs in Kansai area in Dec.2007.
- In large-scale demonstration of PEFC co-generation system, we have installed about 1300 systems on each households at the end of March 2007. The performance as well as failures of the stationary system has been evaluated for further KAIZEN improvement for the system.

4. Events and Solicitation

- The world's largest and powerful exhibition in the fuel cell & hydrogen industry will be held on Feb.27-29,2008 at Tokyo, Big sight Japan, concurrent with FC EXPO technical conference, academic forum, METI special project which is as well as on Nov.5-6, 2007 at Osaka International Convention Center (Grand cube Osaka) Japan. This event is organized by Reed Exhibitions Japan Ltd.

For more information, visit the website at <http://www.fcexpo.jp/english/>

5. Government Hydrogen and Fuel Cell R,D&D Funding

Provide recent government funding for hydrogen and fuel cell R,D&D (in U.S. dollars.)

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|-------------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|
| 2004 | \$286M | 2005 | \$308M | 2006 | \$296M | 2007 | \$282M |
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* Please only include government funding for activities directly related to hydrogen and fuel cell R,D&D. Also, please identify whether the funding is agency specific or government-wide.