



INTERNATIONAL PARTNERSHIP FOR HYDROGEN AND FUEL CELLS IN THE ECONOMY

IPHE Country Update March 2023 Republic of Korea

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Covered Period	Dec 2022 – Mar 2023

1. New Initiatives, Programs, and Policies on Hydrogen and Fuel Cells

- (April 2023) Main results of policy research (commissioned by MOTIE) on **Clean Hydrogen Certification Mechanism** were released. The researchers proposed, with the accounting methodologies for various production pathways, that GHG emissions in producing clean hydrogen (well-to-gate) would be less than 4kgCO₂eq/kgH₂. Transportation, including international shipping, emissions are not included in the mechanism for the time being. The mechanism is due to be operational in January 2024.
- (March 2023) Draft rules for **Clean Hydrogen Portfolio Standard (CHPS)** was published. Under CHPS, power retailers are assigned annual amount of electricity produced out of hydrogen/ammonia which they are obliged to purchase. CHPS has two separate sections of “general” and “clean”. The first bidding for general hydrogen/ammonia electricity (1.3TWh in 2023) will take place this June and the clean section (3.5TWh) will be opened next year.

2. Hydrogen and Fuel Cell R&D Update

3. Demonstration, Deployments, and Workforce Developments Update

- (April 2023) 6 cities and provinces are entitled to grants of fuel cell bus deployment program. In total, 400 fuel cell buses will be given 28 billion KRW (70 million KRW or 56 thousand USD per bus).
- (March 2023) Ministry of Trade, Industry and Energy and clean hydrogen/ammonia power generation industry players (equipment manufacturers, fuel suppliers, power wholesale/retailing companies) had a meeting to discuss current policy issues such as CHPS.

4. Events and Solicitations

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

6. Regulations, Codes & Standards, and Safety Update