

August 19, 2025

The Kansai Electric Power Co., Inc.

BIPROGY Inc.

Kawasaki Heavy Industries, Ltd.

## Demonstration Tests of Environmental Attributes Management in Hydrogen Co-firing Power Generation Launched

Starting August 22 – The Kansai Electric Power Co., Inc. (hereinafter “KEPCO”), BIPROGY Inc. (hereinafter “BIPROGY”) and Kawasaki Heavy Industries, Ltd. (hereinafter “Kawasaki”) will launch the demonstration tests of environmental attributes<sup>\*1</sup> management by keeping track of hydrogen while calculating the CO<sub>2</sub> emissions in a set of processes from hydrogen production to power supply in hydrogen co-firing power generation at Himeji No. 2 Power Station.

This demonstration tests will calculate the CO<sub>2</sub> emissions and keep tracking hydrogen every 30 minutes for low-carbon hydrogen, which is produced in the area of Himeji No. 2 Power Station, nuclear-derived low-carbon hydrogen, which is produced in Fukui Prefecture, and green hydrogen derived from renewable energy, which is produced in Yamanashi Prefecture. In addition, the testing will verify whether the power generated by hydrogen co-firing can be identified as originated from low-carbon hydrogen or green hydrogen. Supported by DNV<sup>\*2</sup>, a third-party certifier, the testing will also verify that the tracking method aligned with the international standards. Through this approach, we aim to send electricity to our customers with its origin disclosed regarding the energy source as well as time and location of hydrogen production.

Through the demonstration tests, the three companies will promote the approach to improving the value in low-carbon hydrogen and expanding its usage, which will start from establishing the environmental attributes management for hydrogen power generation. In addition, they will contribute to the establishment of hydrogen supply chain and future realization of carbon neutrality by going forward with joint investigation toward future commercialization.

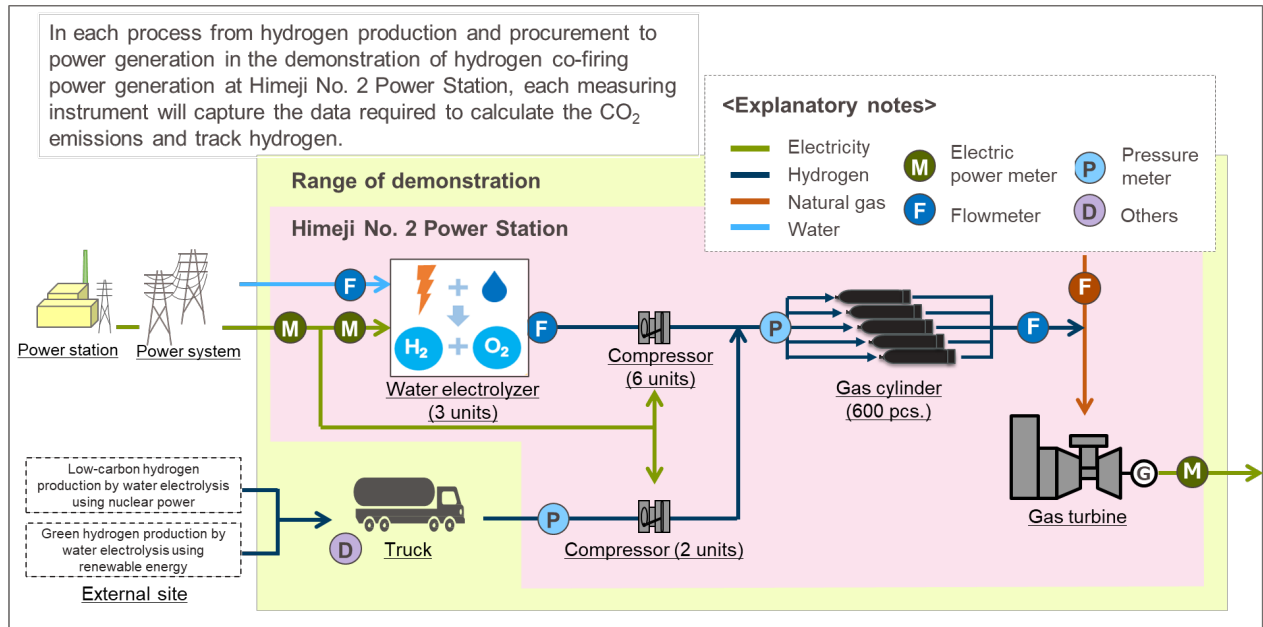
- \*1: Characteristics of a product to indicate the contribution to the environment owned by energy sources without CO<sub>2</sub> emission, such as renewable energy.
- \*2: An international third-party certification body and classification society headquartered in Oslo, Norway. One of the largest service providers of their kind worldwide, DNV offers risk management services for the oil and gas fields and serves as specialists in the wind power generation and electric power transmission/distribution fields.

[Related link]

- The Kansai Electric Power Co., Inc., Demonstration of Hydrogen Co-firing Power Generation to Be Launched at Himeji No. 2 Power Station  
(March 28, 2025)  
[https://www.kepco.co.jp/corporate/pr/2025/pdf/20250328\\_2j.pdf](https://www.kepco.co.jp/corporate/pr/2025/pdf/20250328_2j.pdf) *(Link in Japanese)*  
\* The Green Innovation Fund business promoted by Ministry of Economy, Trade and Industry (METI) and New Energy and Industrial Technology Development Organization (NEDO) supports the demonstration of hydrogen co-firing power generation at Himeji No. 2 Power Station.  
[https://www.nedo.go.jp/news/press/AA5\\_101828.html](https://www.nedo.go.jp/news/press/AA5_101828.html) *(Link in Japanese)*
- Kawasaki Heavy Industries, Ltd., Completes Demonstration Tests for “Suiso Platform” That Supports Hydrogen Trading  
(February 14, 2025)  
[https://global.kawasaki.com/en/corp/newsroom/news/detail/?f=20250214\\_6555](https://global.kawasaki.com/en/corp/newsroom/news/detail/?f=20250214_6555)

Attached document

## Outline of Demonstration Tests



## Division of Responsibility for Each Company

