



GX0010534: PEM ELECTROLYSIS HYDROGEN EXCLUDING CAPEX JAPAN

INDEX DESCRIPTION

This index is a notional price reference for Electrolysis (PEM) hydrogen in Tokyo, calculated utilising exchange-based electricity prices, as well as cost assumptions for other inputs into the hydrogen production process. This index excludes any associated capital expenditures.

INDEX DETAILS

Start date	04-May-2022
Commodity	Hydrogen
Frequency	Daily
CCY / UOM	USD / KG
Precision	2 decimal places
Periods	1,Month
Data types	Index
Pricing basis	Flat
Delivery basis	Null
Trading hub	North Asia
Timezone	Asia/Singapore
Holiday calendar	Holidays_GX_NorthAmerica

INDEX QUALITY SPECIFICATION

This index reflects the production cost of electrolysis hydrogen, based on Proton Exchange Membrane (PEM) production technology (excl. CAPEX).

CRITERIA FOR INCLUSION

Index calculation inputs comprise:

- Tokyo Day Ahead electricity pricing
- FX rates (EUR/USD and EUR/JPY)

The following are all quarterly updated variables:

- Costs and volume assumptions for nitrogen and demineralised water
- Conversion energy, compression power and plant power cost assumptions
- Operating & maintenance assumptions

ASSESSMENT TIMES

TIME	DETAILS
1730	Singapore Close

CALCULATION APPROACH

TRADE DATA APPROACH	Y/N
Priority to reported and concluded transactions	N
Sole-sourced data from trading principals accepted	N
Inter-affiliate data accepted as valid	N

See flowchart on next page.

LOCATION



FACTSHEET INFORMATION

Factsheet version	1
Factsheet valid from	04-May-2022
Factsheet valid to	(ongoing)
Factsheet review at	2024-01-12



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