

GX0010494: PEM ELECTROLYSIS HYDROGEN UK

INDEX DESCRIPTION

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

INDEX DETAILS

Start date 03-Nov-2021
Commodity Hydrogen
Frequency Daily
CCY/UOM USD/KG

Precision 2 decimal places

Periods 12,Month
Data types Index
Pricing basis Flat
Delivery basis ExWorks
Trading hub NWE

Timezone Europe/London
Holiday calendar Holidays_GX_Europe

INDEX QUALITY SPECIFICATION

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

CRITERIA FOR INCLUSION

Index calculation inputs comprise:

- UK base electricity pricing
- FX rate (EUR/USD and EUR/GBP)

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
- Capital recovery, fixed costs, and operating and maintenance cost assumptions

Forward curve inputs: forward power prices

ASSESSMENT TIMES

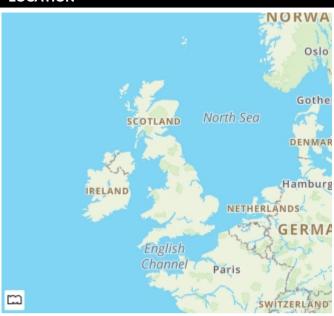
TIME DETAILS1700 London Close

CALCULATION APPROACH

TRADE DATA APPROACH 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 03-Nov-2021
Factsheet valid to (ongoing)
Factsheet review at 2024-01-12

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