

GX0010538: PEM ELECTROLYSIS HYDROGEN EXCLUDING CAPEX HOUSTON

INDEX DESCRIPTION

This index is a notional price reference for Electrolysis (PEM) hydrogen in Houston, calculated utilising day ahead grid 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 16-Feb-2023
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 America
Timezone America/New_York

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:

- Houston Day Ahead electricity pricing

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 $% \left(1\right) =\left(1\right) \left(1\right) \left($
- Operating & maintenance assumptions

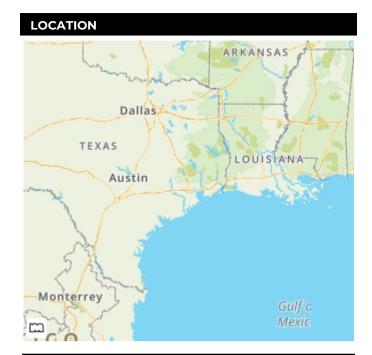
ASSESSMENT TIMES

TIME DETAILS1700 New York Close

CALCULATION APPROACH

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

See flowchart on next page.



FACTSHEET INFORMATION

Factsheet version 1
Factsheet valid from 16-Feb-2023
Factsheet valid to (ongoing)
Factsheet review at 2024-01-12



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