Index Methodology Factsheet



GX0010539: ALKALINE ELECTROLYSIS HYDROGEN EXCLUDING CAPEX HOUSTON

INDEX DESCRIPTION

This index is a notional price reference for Electrolysis (alkaline) 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	l,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 alkaline 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

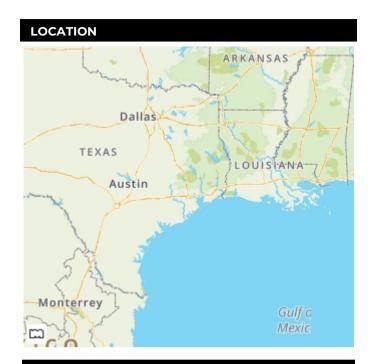
- Operating & maintenance assumptions

ASSESSMENT TIMES

TIME	DETAILS
1700	New York Close

CALCULATION APPROACH

TRADE DATA APPROACH	
Priority to reported and concluded transactions	
Sole-sourced data from trading principals accepted	
Inter-affiliate data accepted as valid	Ν
See flowchart on next page.	



FACTSHEET INFORMATION

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

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