

GX0010512: GREY HYDROGEN HOUSTON

INDEX DESCRIPTION

This index is a notional price reference for grey hydrogen in Houston, calculated utilising exchange-based natural gas prices and day ahead grid electricity prices, as well as cost assumptions for other inputs into the hydrogen production process.

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 ExWorks
Trading hub North America
Timezone America/New_York

Holiday calendar Holidays_GX_NorthAmerica

INDEX QUALITY SPECIFICATION

This index reflects the production cost of grey hydrogen, based on Steam Methane Reforming (SMR) production technology.

CRITERIA FOR INCLUSION

Index calculation inputs comprise:

- Henry Hub natural gas pricing
- Houston Day Ahead electricity pricing

The following are all quarterly updated variables:

- Costs and volume assumptions for nitrogen, ammonia, process water and demineralised water
- Conversion energy, compression power and plant power cost assumptions
- Capital recovery, fixed costs, and operating and maintenance cost assumptions

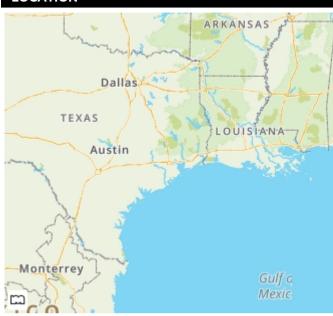
ASSESSMENT TIMES

TIMEDETAILS
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 N See flowchart on next page.

LOCATION



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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