Index Methodology Factsheet

GX0011895: GREY HYDROGEN ITALY

INDEX DESCRIPTION

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

INDEX DETAILS

Start date	2024-01-08
Commodity	Hydrogen
Frequency	Daily
CCY / UOM	USD / KG
Increment	0.01
Periods	12,Month
Data types	Index
Pricing basis	Flat
Delivery basis	Ex Works
Trading hub	NWE
Timezone	Europe/London
Holiday calendar	Holidays_GX_Europe

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:
- Italian natural gas pricing
- Italian base electricity pricing
- FX rate (EUR/USD)

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

Forward curve inputs: forward power and gas prices

ASSESSMENT TIMES

TIME	DETAILS
1700	London 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.

ALIAS DEFINITION

ALIAS	TIME	PERIOD TYPE	PERIOD
GH2IT	1700	Month	12

LOCATION

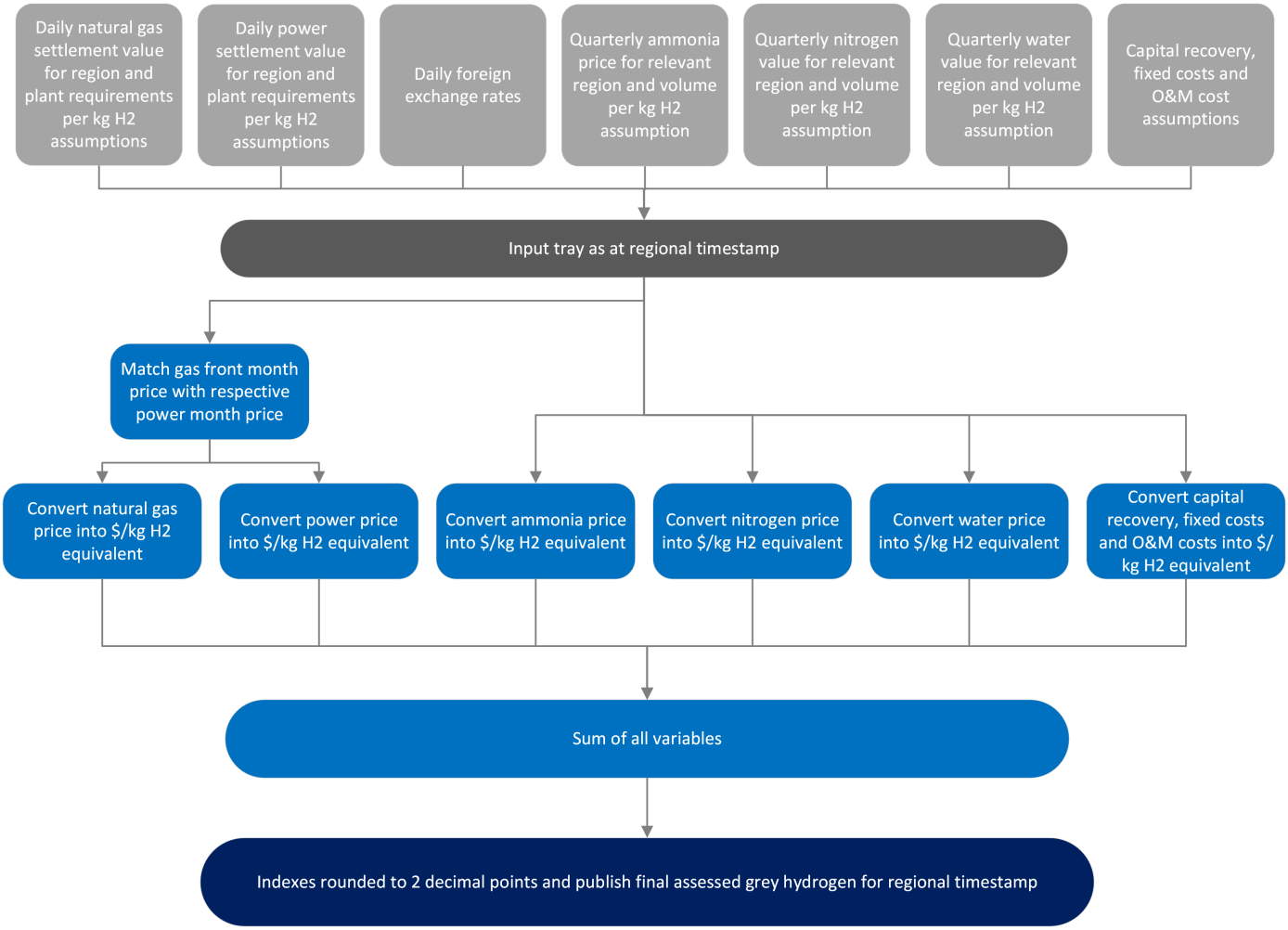


FACTSHEET INFORMATION

Factsheet version	1.0
Factsheet valid from	2024-01-08
Factsheet valid to	(ongoing)

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