Index Methodology Factsheet

GX0020144: GREEN ALKALINE ELECTROLYSIS HYDROGEN EXCLUDING CAPEX GERMANY

INDEX DESCRIPTION

This index provides a notional price reference for Green Hydrogen produced via electrolysis (Alkaline) in Germany, incorporating exchange-based electricity prices backed by Guarantees of Origin (GOs), alongside cost assumptions for other inputs in the hydrogen production process. The index reflects operating costs only and excludes any associated capital expenditures.

INDEX DETAILS

Start date	2023-05-12
Commodity	Hydrogen
Frequency	Daily
CCY / UOM	USD / KG
Increment	0.01
Periods	12,Month
Data types	Index
Pricing basis	Flat
Delivery basis	Null
Trading hub	NWE
Timezone	Europe/London
Holiday calendar	Holidays_GX_Europe

INDEX QUALITY SPECIFICATION

This index reflects the production cost of Green hydrogen, based on alkaline production technology (excl. CAPEX).

CRITERIA FOR INCLUSION

Index calculation inputs comprise:
- German base electricity pricing
- FX rate (EUR/USD)
- Guarantee of Origin (EUR/MWh)

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

Forward curve inputs: forward power 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
GAEXDE	1700	Month	12

LOCATION



FACTSHEET INFORMATION

Factsheet version	1.0
Factsheet valid from	2023-05-12
Factsheet valid to	(ongoing)

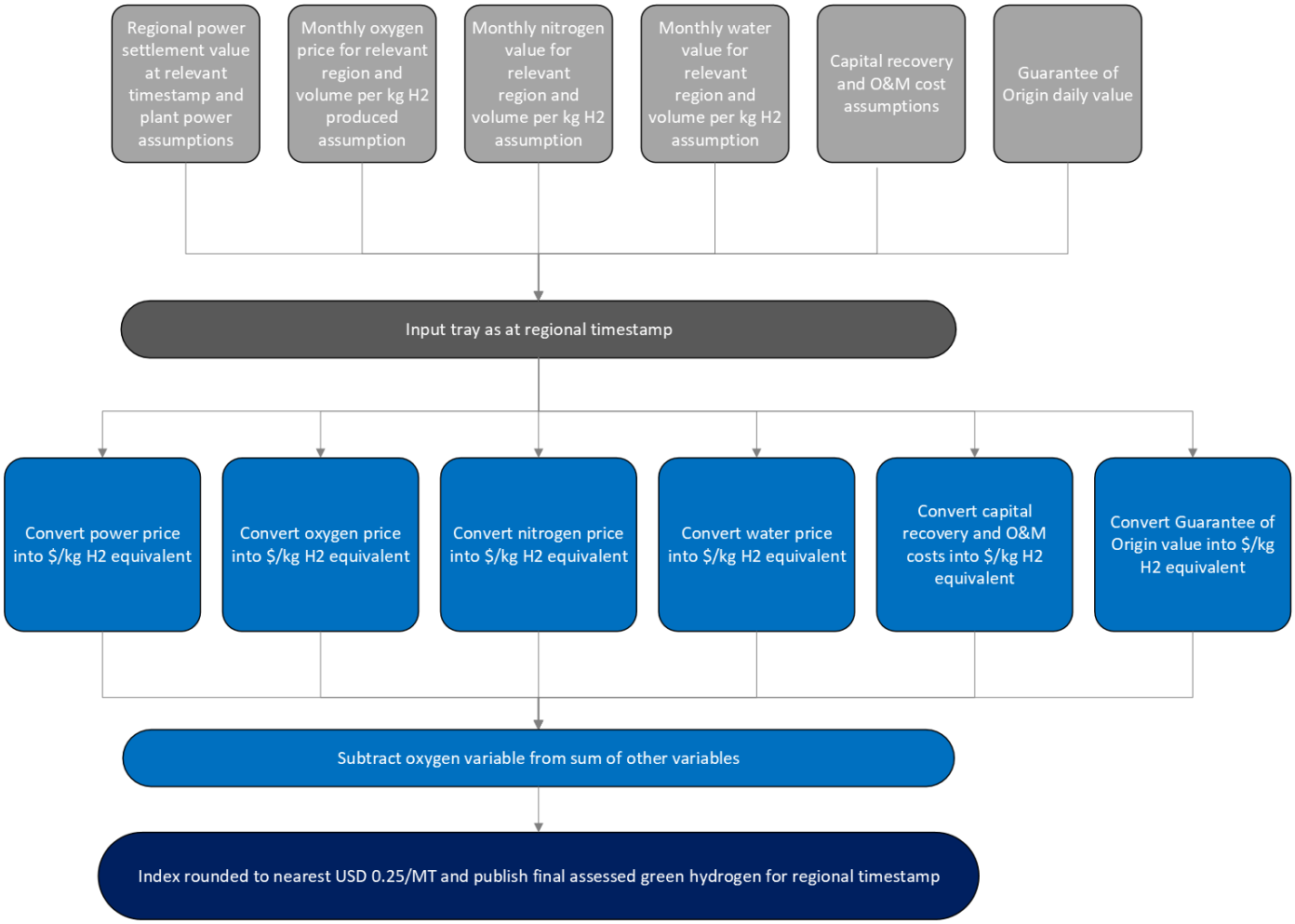
RELATED INDEXES

PARENT INDEXES:

GX0010523	Alkaline Electrolysis Hydrogen Excluding CAPEX Germany
GX0018034	Wind Solar Hydro Guarantee of Origin (GO) Certificate Europe Grid Connected 2025 Vintage

All indexes © General Index and subject to terms and conditions.

GX0020144: GREEN ALKALINE ELECTROLYSIS HYDROGEN EXCLUDING CAPEX GERMANY



All indexes © General Index and subject to terms and conditions.