Index Methodology Factsheet

GX0013434: HVO HEFA (PALM OIL) SINGAPORE PRODUCTION COST MODEL B 50:50

INDEX DESCRIPTION

These indexes reflect a minimum cost price for Hydrotreated Vegetable Oil (HVO aka Renewable Diesel) produced in Singapore via the HEFA pathway. The refinery scenario modelled is "Max HVO". Total renewable product yield is 92% (80% HVO, 6% SAF, 3% Bio-Naphtha, and 3% Bio-LPG). It assumes a facility in Singapore with 2 mn MT/annum total renewable product capacity. Feedstock is 100% Palm Oil (PO).

INDEX DETAILS

Start date	2024-07-08
Commodity	Renewable Diesel
Frequency	Daily
CCY / UOM	USD / MT
Increment	0.01
Periods	1,Prompt
Data types	Index
Pricing basis	Flat
Delivery basis	Ex Works
Trading hub	South East Asia
Timezone	Asia/Singapore
Holiday calendar	Holidays_GX_Singapore

INDEX QUALITY SPECIFICATION

HEFA-HVO (Hydrotreated Esters and Fatty Acids-Hydrotreated Vegetable Oil) derived from 100% Used Cooking Oil (UCO). “Neat” HVO is a drop-in fuel blending component derived from lipid feedstocks such as plant or algae oils, tallow, or waste greases such as cooking oils which are first deoxygenated and then hydroprocessed to produce a pure hydrocarbon. It can be used as a road fuel up to 100% concentrated or at any blend ratio.

CRITERIA FOR INCLUSION

"Index calculation inputs comprise:

1. Variable Costs:
- Bio Feedstock
- Singapore Grey Hydrogen
- Singapore Power
- FX EUR:USD
- FX EUR:MYR
- FX EUR:SGD

2. Fixed Costs and Assumptions:
- CAPEX, TPEC, Financials and OPEX costs for renewables refinery production in Singapore
- Model C reflects a facility with 2 mn MT of total annual renewable product output
- Model C Max HVO assumes a total renewable product yield of 92% (80% HVO, 6% SAF, 3% Bio-Naphtha, and 3% Bio-LPG).

The final cost-based price does not include a margin."

ASSESSMENT TIMES

TIME	DETAILS
1630	Singapore Close

CALCULATION APPROACH

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

ALIAS DEFINITION

ALIAS	TIME	PERIOD TYPE	PERIOD
POSGCH	1630	Prompt	1

LOCATION



FACTSHEET INFORMATION

Factsheet version	1.0
Factsheet valid from	2024-07-08
Factsheet valid to	(ongoing)

RELATED INDEXES

CHILD INDEXES:

GX0013440	HVO HEFA (Palm Oil) Singapore Production Cost Model C Max HVO CAPEX Cost Ratio

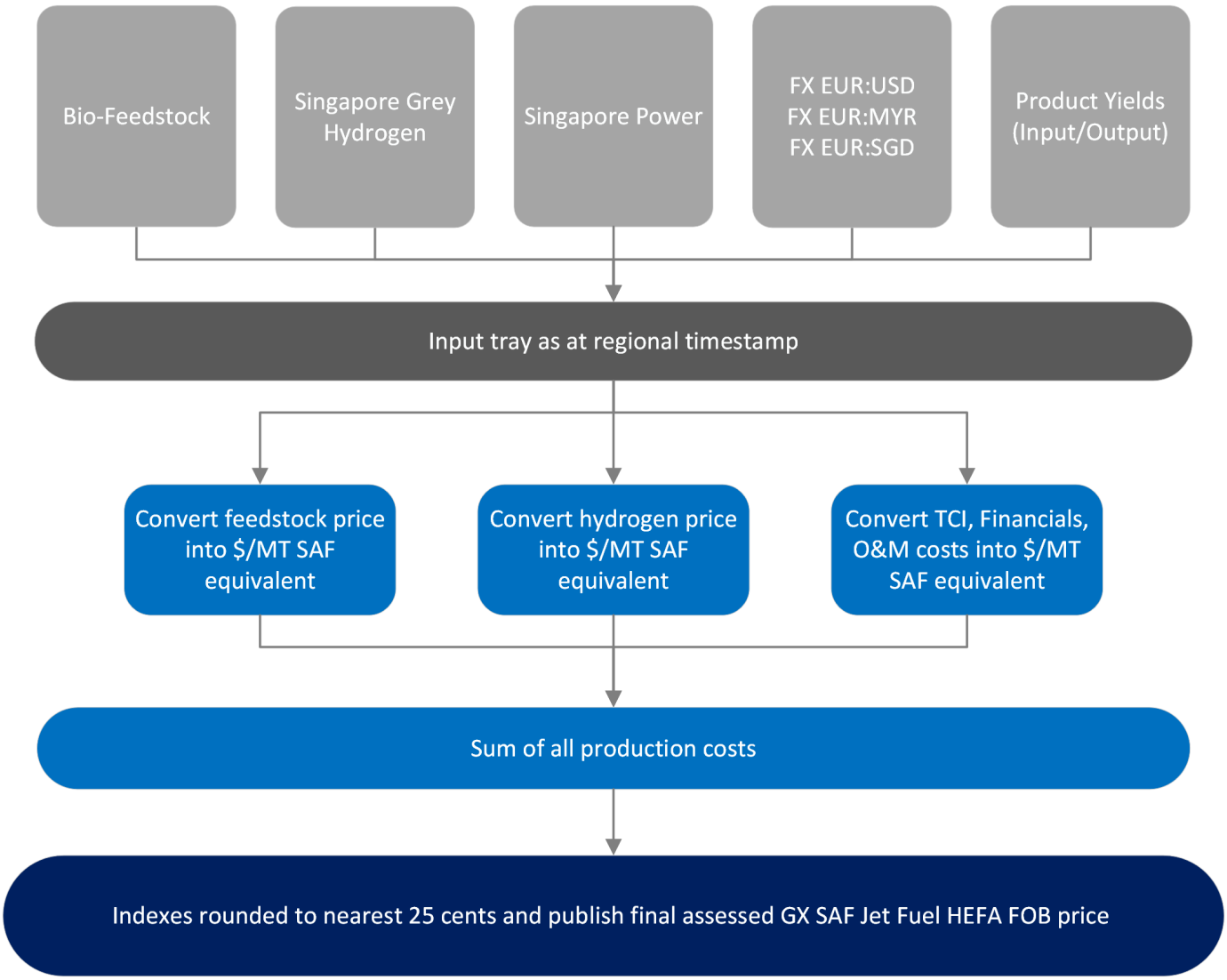
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GX0013436	HVO HEFA (Palm Oil) Singapore Production Cost Model C Max HVO Feedstock Cost Ratio
GX0013444	HVO HEFA (Palm Oil) Singapore Production Cost Model C Max HVO Financials Cost Ratio
GX0013438	HVO HEFA (Palm Oil) Singapore Production Cost Model C Max HVO Hydrogen Cost Ratio
GX0013446	HVO HEFA (Palm Oil) Singapore Production Cost Model C Max HVO OPEX Cost Ratio
GX0013442	HVO HEFA (Palm Oil) Singapore Production Cost Model C Max HVO TPEC Cost Ratio
GX0013448	HVO HEFA (Palm Oil) Singapore Production Cost Model C Max HVO vs Feedstock
GX0013450	HVO HEFA (Palm Oil) Singapore Production Cost Model C Max HVO vs Gasoil 10ppm Singapore FOB Cargoes

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