Index Methodology Factsheet

GX0013382: HVO HEFA (PALM OIL) SINGAPORE PRODUCTION COST MODEL C MAX HVO

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 "50:50". Total renewable product yield is 90% (40% HVO, 40% SAF, 5% Bio-Naphtha, and 5% Bio-LPG). It assumes a facility in Singapore with 500,000 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 A reflects a facility with 500,000 MT of total annual renewable product output
- Model A Max HVO assumes a total renewable product yield of 90% (40% HVO, 40% SAF, 5% Bio-Naphtha, and 5% 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
POSG50A	1630	Prompt	1

LOCATION



FACTSHEET INFORMATION

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

RELATED INDEXES

CHILD INDEXES:

GX0013394	HVO HEFA (Palm Oil) Singapore Production Cost Model A 50:50 CAPEX Cost Ratio

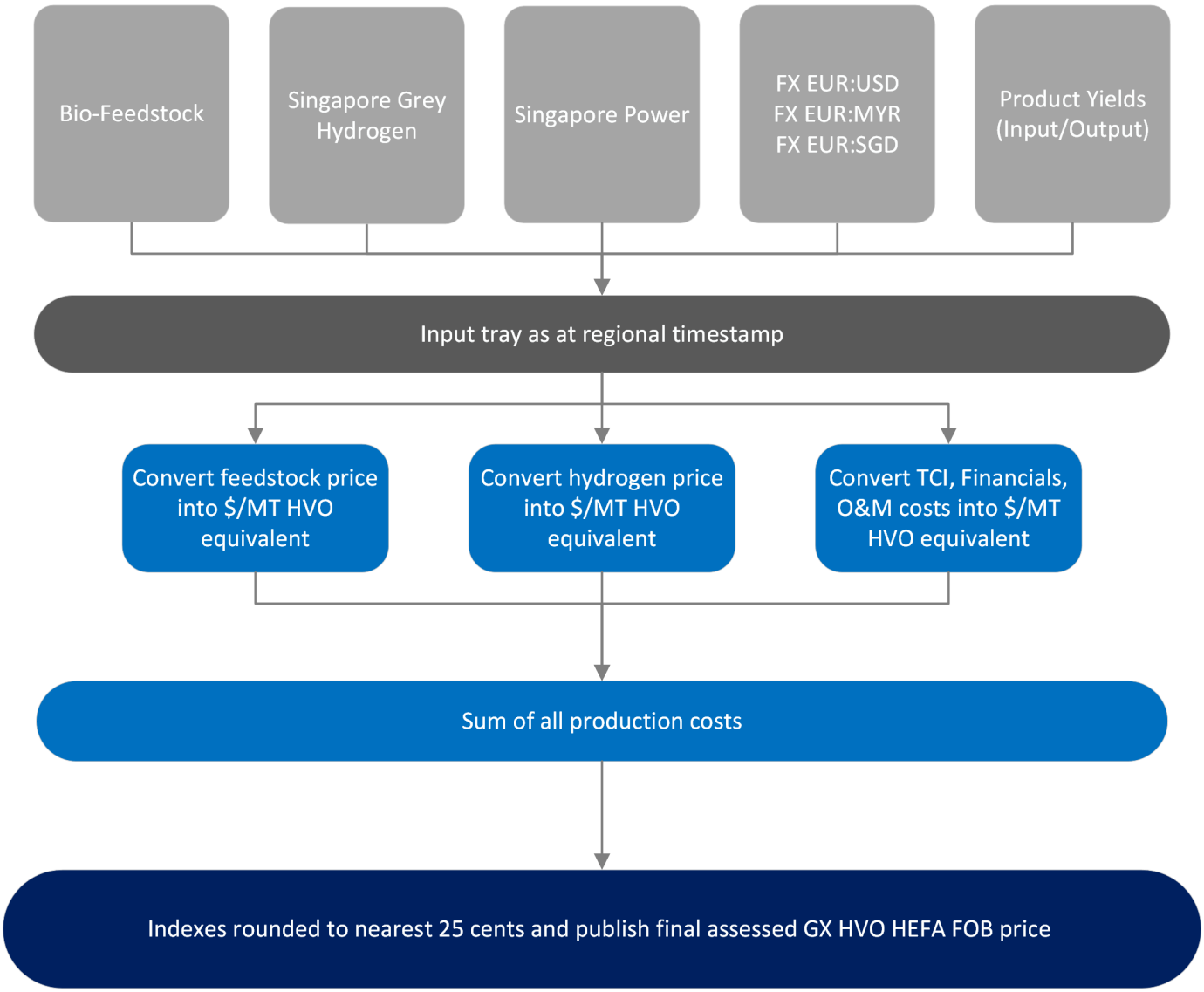
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GX0013386	HVO HEFA (Palm Oil) Singapore Production Cost Model A 50:50 Feedstock Cost Ratio
GX0013402	HVO HEFA (Palm Oil) Singapore Production Cost Model A 50:50 Financials Cost Ratio
GX0013390	HVO HEFA (Palm Oil) Singapore Production Cost Model A 50:50 Hydrogen Cost Ratio
GX0013406	HVO HEFA (Palm Oil) Singapore Production Cost Model A 50:50 OPEX Cost Ratio
GX0013398	HVO HEFA (Palm Oil) Singapore Production Cost Model A 50:50 TPEC Cost Ratio
GX0013410	HVO HEFA (Palm Oil) Singapore Production Cost Model A 50:50 vs Feedstock
GX0013414	HVO HEFA (Palm Oil) Singapore Production Cost Model A 50:50 vs Gasoil 10ppm Singapore FOB Cargoes

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