Index Methodology Factsheet

GX0013272: HVO HEFA (UCO) SINGAPORE PRODUCTION COST MODEL A 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 "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 500,000 MT/annum total renewable product capacity. Feedstock is 100% Used Cooking Oil (UCO).

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 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
UCOSGAH	1630	Prompt	1

LOCATION



FACTSHEET INFORMATION

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

RELATED INDEXES

CHILD INDEXES:

HVO HEFA (UCO) Singapore Production Cost

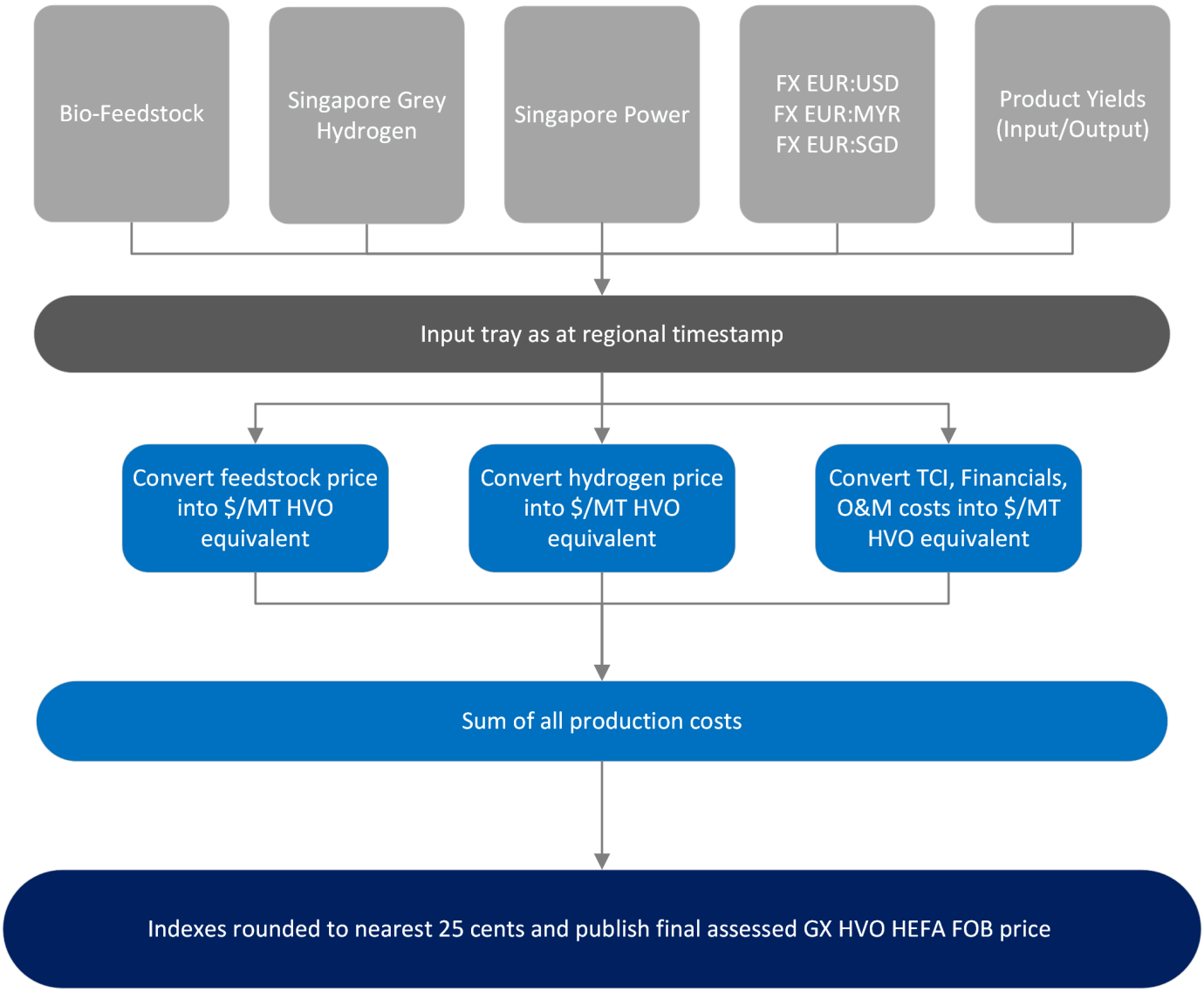
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GX0013284	Model A Max HVO CAPEX Cost Ratio
GX0013276	HVO HEFA (UCO) Singapore Production Cost Model A Max HVO Feedstock Cost Ratio
GX0013292	HVO HEFA (UCO) Singapore Production Cost Model A Max HVO Financials Cost Ratio
GX0013280	HVO HEFA (UCO) Singapore Production Cost Model A Max HVO Hydrogen Cost Ratio
GX0013296	HVO HEFA (UCO) Singapore Production Cost Model A Max HVO OPEX Cost Ratio
GX0013288	HVO HEFA (UCO) Singapore Production Cost Model A Max HVO TPEC Cost Ratio
GX0013300	HVO HEFA (UCO) Singapore Production Cost Model A Max HVO vs Feedstock
GX0013304	HVO HEFA (UCO) Singapore Production Cost Model A Max HVO vs Gasoil 10ppm Singapore FOB Cargoes

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