Index Methodology Factsheet

# GX0013380: HVO HEFA (PALM OIL) 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 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 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 |
|---|---|---|---|
| POSGAH | 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 (Palm Oil) Singapore Production

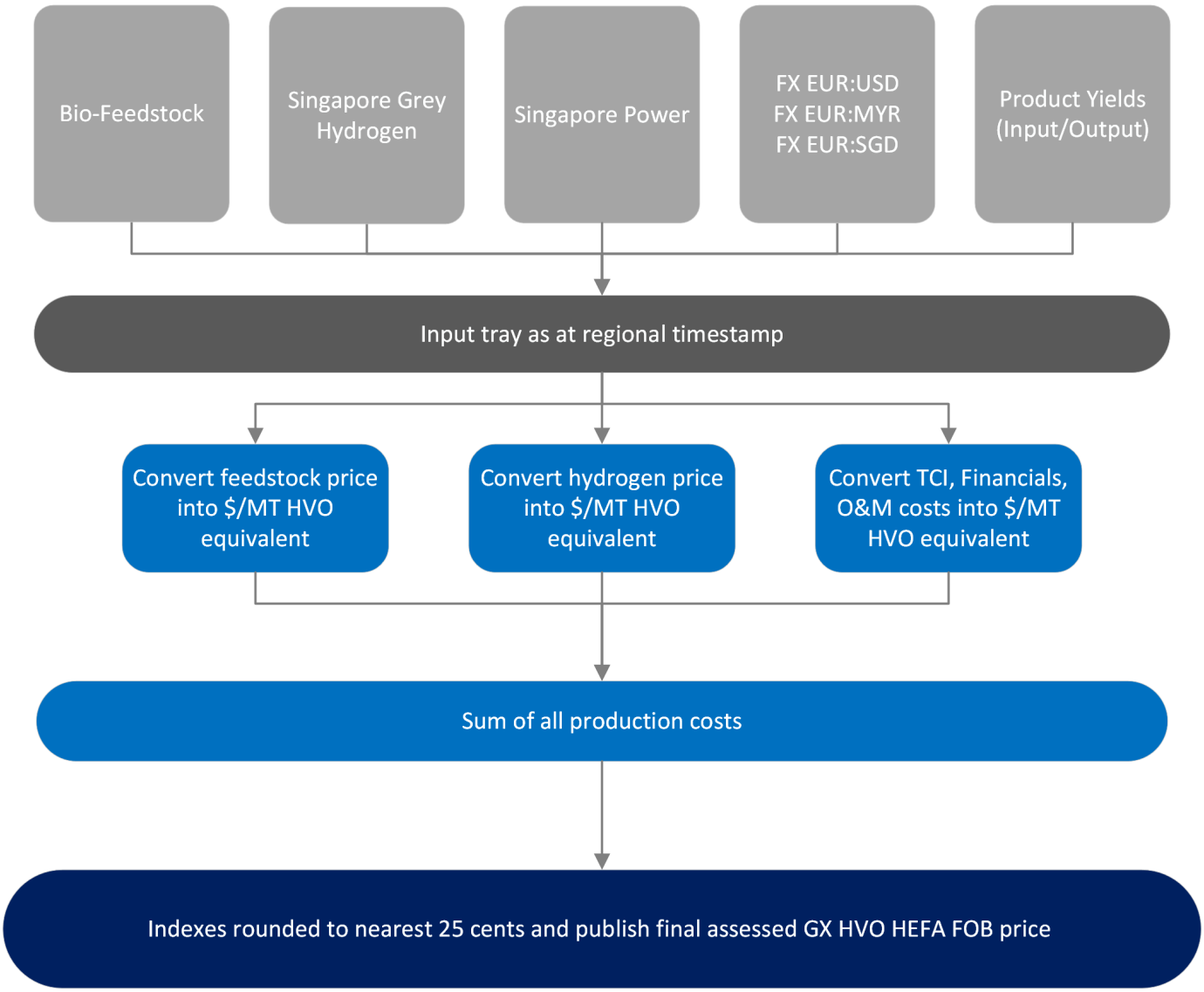
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# GX0013380: HVO HEFA (PALM OIL) SINGAPORE PRODUCTION COST MODEL A MAX HVO

| | |
|---|---|
| GX0013392 | Cost Model A Max HVO CAPEX Cost Ratio |
| GX0013384 | HVO HEFA (Palm Oil) Singapore Production Cost Model A Max HVO Feedstock Cost Ratio |
| GX0013400 | HVO HEFA (Palm Oil) Singapore Production Cost Model A Max HVO Financials Cost Ratio |
| GX0013388 | HVO HEFA (Palm Oil) Singapore Production Cost Model A Max HVO Hydrogen Cost Ratio |
| GX0013404 | HVO HEFA (Palm Oil) Singapore Production Cost Model A Max HVO OPEX Cost Ratio |
| GX0013396 | HVO HEFA (Palm Oil) Singapore Production Cost Model A Max HVO TPEC Cost Ratio |
| GX0013408 | HVO HEFA (Palm Oil) Singapore Production Cost Model A Max HVO vs Feedstock |
| GX0013412 | HVO HEFA (Palm Oil) Singapore Production Cost Model A Max HVO vs Gasoil 10ppm Singapore FOB Cargoes |

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