



# GX0011758: HVO HEFA NWE NETHERLANDS 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 North West Europe 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 Rotterdam with 2.7mn MT/annum total renewable product capacity. Feedstock is 100% Used Cooking Oil (UCO).

## INDEX DETAILS

Start date	12-Dec-2023
Commodity	Renewable Diesel
Frequency	Daily
CCY / UOM	USD / MT
Precision	2 decimal places
Periods	1, Prompt
Data types	Index
Pricing basis	Flat
Delivery basis	ExWorks
Trading hub	NWE
Timezone	Europe/London
Holiday calendar	Holidays_GX_Europe

## 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:

- Lipid Feedstock (UCO NWE)
- GX Netherlands Grey Hydrogen
- Dutch Power Base Futures
- FX EUR:USD

### 2. Fixed Costs and Assumptions:

- CAPEX, TPEC, Financials and OPEX costs for renewables refinery production in North West Europe
- Model A reflects a facility with 2.7mn MT/annum MT of total annual renewable product output
- Model A Max HVO assumes a total renewable product yield is renewable product yield is 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	London Close

## CALCULATION APPROACH

See Flow Chart on next page.

## LOCATION



## FACTSHEET INFORMATION

Factsheet version	1.0
Factsheet valid from	12-Dec-2023
Factsheet valid to	(ongoing)
Factsheet review at	2023-12-20



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