

RTFO Meeting RFNBO's

23rd April 2024

RFNBO's – What is a RFNBO?

- **R**enewable **F**uel of **N**on-**B**iological **O**igin
 - liquid or gaseous fuel
 - source of energy is from non-biological sources
- Aimed at hard to abate sectors which will rely on gaseous and liquid fuels in the long term – aviation, maritime
- Green Hydrogen & its derivatives – green ammonia, e-fuels
 - Electrolysis of water – green H₂ production
- Must meet >70% GHG emission savings compared to fossil fuel comparator (94gCO₂/MJ)

RFNBO's – targets & policy

- What are the RFNBO targets?
 - Transport: Binding supplier obligation - 1% by 2030
Embedded in the overall Advanced Obligation (5.5%)
SAF submandate for RFNBO, starting 2031 (1.2%), 2032/33 (2%), 2035 (5%)
 - Industry: EU level target with national allocation
– industry H2 consumption must be 42% RFNBO by 2030
- What policy underpins RFNBO sector?
 - targets defined in RED III
 - ReFuel Aviation – sub mandate for RFNBO
 - 2 delegated acts published
 1. RFNBO Production guidelines (2023/1184)
 2. GHG Methodology – LCA (2023/1185)

RFNBO's

- Multipliers defined in RED III
 - Every 1MJ RFNBO can be double counted as 2MJ
 - In addition to above RFNBO's in maritime and aviation have a "1.5" multiplier – steering them towards these sectors
- Next steps for sector
 - Renewable power to support renewable hydrogen production required
 - Align Renewable Transport Fuel Policy and National Hydrogen policy to promote the development of RFNBO's
 - Open discussion on a roadmap for eFuel production post 2030