

Renewable Hydrogen Coalition

François Paquet
Impact Director

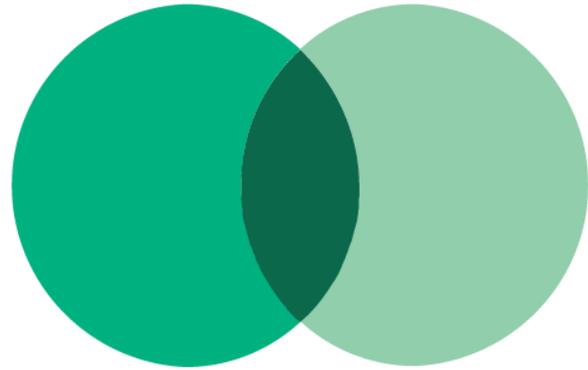


**Renewable electricity
is the best hydrogen strategy**

How will the “Fit for 55” package impact the development of green hydrogen and other powerfuels in the EU?

2 August 2021

The missing voice



Renewable Hydrogen Coalition

Promotes the critical role of **renewable hydrogen** to deliver the EU's long-term decarbonisation goals



Our objectives



Give a voice to the renewable hydrogen industry in Europe



Build a high-level & interdisciplinary network of innovators, investors, entrepreneurs, industrial off-takers and corporate



Inform the policy debate with concrete proposals for the scaling up & market uptake of renewable hydrogen



Position Europe as the global leader in renewable hydrogen



Founding Partners



Who supports us



In collaboration with

EGHAC

European Green Hydrogen
Acceleration Center



Fit-for-55 Package

First impressions
on selected elements



Renewable Energy Directive revision

RFNBOs definition extended to all sectors

Electricity production from RFNBOs recognised and accountable towards the RED target. Double-counting avoided.

Permitting

- Member States to tackle remaining barriers
- One year after entry into force, Commission to review rules on administrative procedures and may take additional measures. May come too late.



Renewable Energy Directive revision

Renewable Power Purchase Agreements (PPAs) promoted

Additionality: Member states to consider extra electricity demand from RFNBO production

Stronger language on Guarantees of Origin (GOs)



Binding targets

Renewable energy Directive

- **for industry** for RFNBOs to be **50%** of the hydrogen used as feedstock or energy carrier
 - Market game changer
 - No clear associated support measures to bridge premium cost, jeopardising end-users' competitiveness
- **for all transport** for the share of RFNBOs to be at least **2,6%** by 2030

Refuel EU Aviation Regulation

- From 2030, 5% sustainable aviation fuel target with a minimum share of **0.7% of synthetic aviation fuels**, increasing gradually in time **up to 28% by 2050**
- More ambition needed.



EU Emissions Trading Scheme revision

Carbon Contracts for Difference (CCfDs) recognised as important

Innovation Fund extended to

- support projects through CCfDs
- Decarbonise maritime sector sustainable alternative fuels, such as hydrogen and ammonia produced from renewables

Need clearer links with the uptake of renewable-based hydrogen



ALTERNATIVE FUELS INFRASTRUCTURE DIRECTIVE

Alternative fuels = electricity, hydrogen and ammonia

- Need clearer emphasis on renewable hydrogen uptake
- Alternative fossil fuels allowed for a transitional phase
- **By 2030, public hydrogen refuelling stations with a minimum capacity of 2 t/day to be deployed every 150 km along the TEN-T core and comprehensive network**



ENERGY TAXATION DIRECTIVE

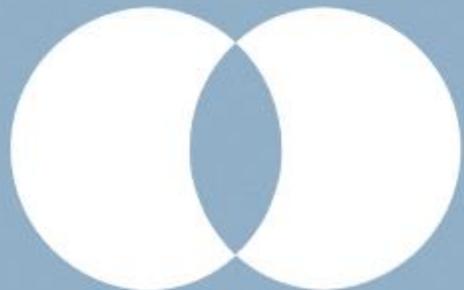
- **Tax exemption or reduction possible** for renewable electricity, electricity produced from fuel cells and RFNBOs.
- **Electricity used in electrolysis exempted** from this Directive
- **Provisions incentivising the deployment of RFNBOs in intra-EU aviation and maritime sectors**



Policy recommendations

- 1. Clear ambition needed NOW towards the uptake of renewable hydrogen and derived e-fuels**
- 2. Accelerate and massively deploy additional renewable electricity generation capacity → 40% RED target**
- 3. More ambition on permitting procedures needed: faster, simpler**
- 4. RFNBOs targets call for clear support schemes to bridge the cost gap with fossil-based alternatives. Multiple support needed (including covering CAPEX and OPEX)**





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Thank you

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Get in touch
info@renewableh2.eu