

From: [REDACTED]
To: [REDACTED]
Cc: [REDACTED]
Subject: BP Meeting 24.05.2022
Date: Tuesday 24 May 2022 19:17:00
Attachments: EO22_Brussels_(handout).pptx

Dear colleagues,

Please find below the summary of the today's BP meeting.

Participants

BP: [REDACTED]

Cabinet: Walter Goetz, [REDACTED]

Topics presented by BP:

- 70-75% renewables (solar and wind) from total electricity is feasible with reasonable cost of intermittency and balancing. Nuclear, Bio-fuels and Hydro cover the rest.
- Bio-fuels are cheaper than e-fuels and will be used as much as 45% in aviation by 2050
- Electricity demand will only increase until 2050, off shore renewables will increase
- Huge investments needed in grid capacity to keep up with demand and production of electricity

- Repower EU & Fit for 55
 - o Need for energy efficiency, reduce the overall demand and increase renewable capacity
 - o Need for impact assessment for transport sector in light of the new ambitions and targets
 - o Significant behavioural change of the consumers might be needed in order to achieve the goals
 - o 75 GW per year in renewables needed to reach the target
- Hydrogen
 - o TCO of HDV is about the same for electric and hydrogen propulsion across the world. The question is which one will be dominant
 - o Significant role in aviation and maritime, as well as long distance HDV
 - o 80% will go into e-fuels by 2050
 - o 20% of new energy needs will go to cover H2 production needs
 - o Significant role for
 - Blue H2 (from natural gas and methane)
 - Green H2 (from renewables)
 - CSS
 - The option of Pink H2 (from nuclear) exists, but is less attractive

Please feel free to modify/add if there is something missing

Best,

[REDACTED]

