

IEA -

NZE bio- FT 10

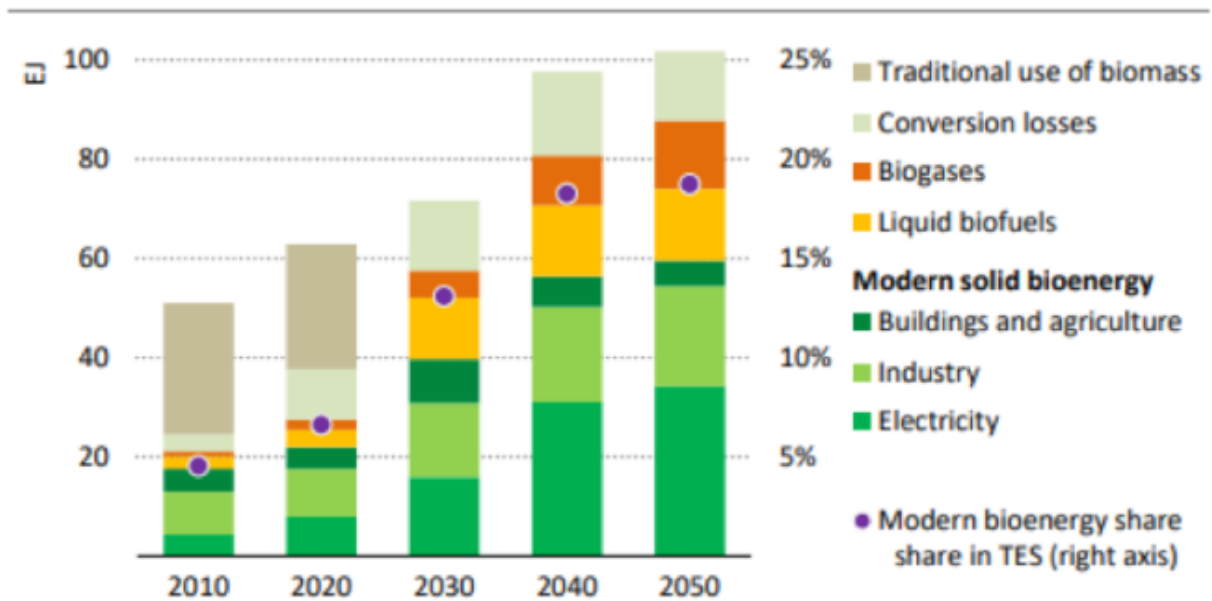
2020 2050 45

2030 25

CO2 CCUS CO2 2050 3,300TWh 5

2050 60 30

Figure 2.20 Total bioenergy supply in the NZE



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Modern bioenergy use rises to 100 EJ in 2050, meeting almost 20% of total energy needs. Global demand in 2050 is well below the assessed sustainable potential

Notes: TES = Total energy supply. Conversion losses occur during the production of biofuels and biogases.

(7) CO2 CCUS?

CCUS CO2 1000 m

CCUS CO2 BECCS CO2 CCUS

CCUS CO2 40 Mt
25 2050 7.6 Gt
CO2 95 5 IEA-NZE

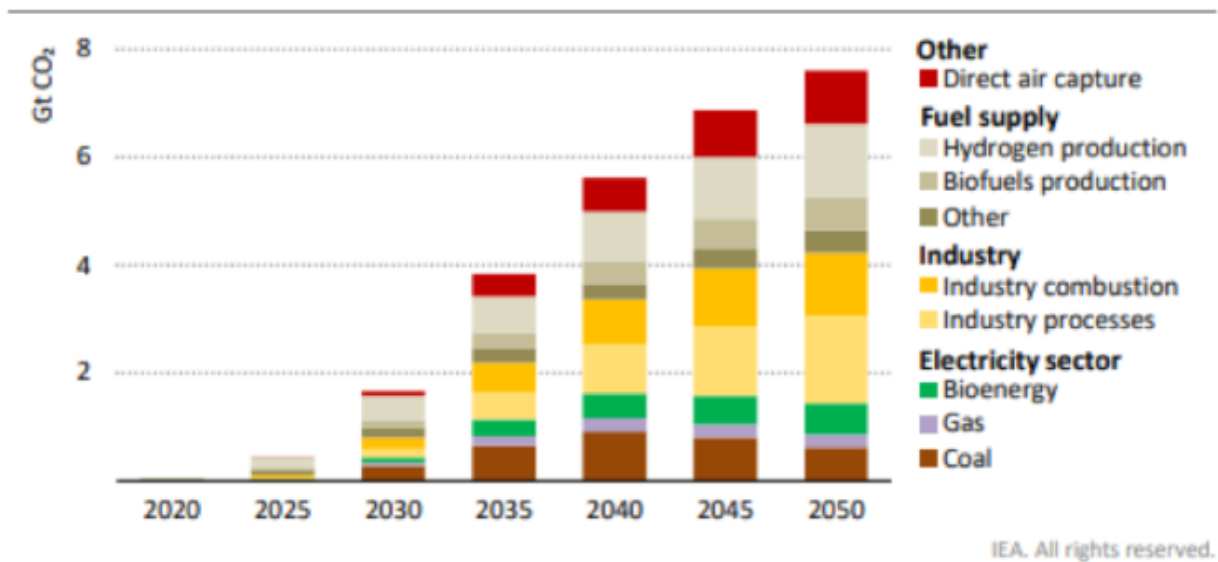
2050 2.4 Gt CO2 BECCS DACCS 1.9 Gt 0.5 Gt

2050 CO2 40 CO2 CCUS S

2050 CO2 20 CCUS 2050 220 GW 70 GW CCUS

CCUS CO2 CO2 CCUS

Figure 2.21 Global CO2 capture by source in the NZE



By 2050, 7.6 Gt of CO2 is captured per year from a diverse range of sources. A total of 2.4 Gt CO2 is captured from bioenergy use and DAC, of which 1.9 Gt CO2 is permanently stored.

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