

Global Energy Policy Research | GEPR

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????http://agorajp.com/??
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?????????IEA??????????????

?? ??? · Saturday, April 5th, 2025



coffeekai/iStock

?????????IEA????????World Energy
Outlook?WEO??WEO?????????????????

??2?????????????????IEA?????????????????IEA?????????????WEO2024?????????????????
?????????

https://agora-web.jp/archives/250202010201.html

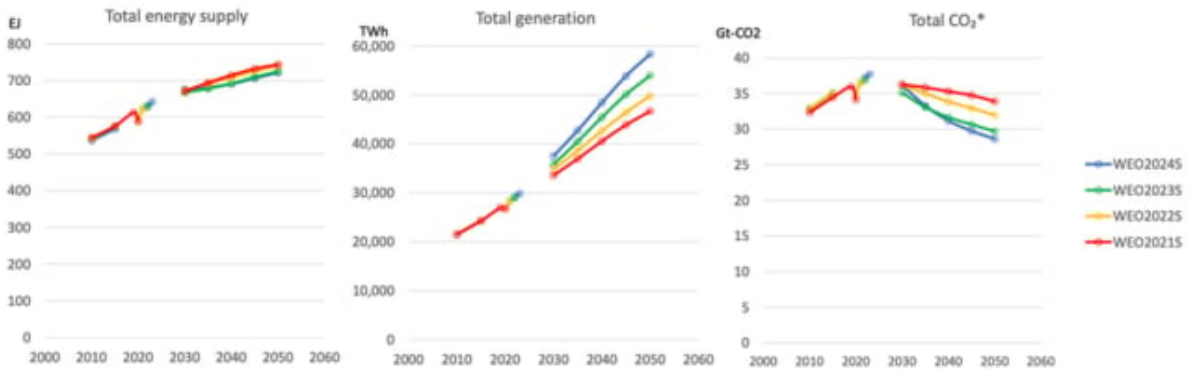
?????????????????????4???WEO?????STEPS?????????????????

WEO2021 STEPS APS NZE 2050 CO2 backcast forecast

backcast NZE 2050 CO2 APS STEPS forecast

CO2

WEO2021 WEO2024 STEPS CO2



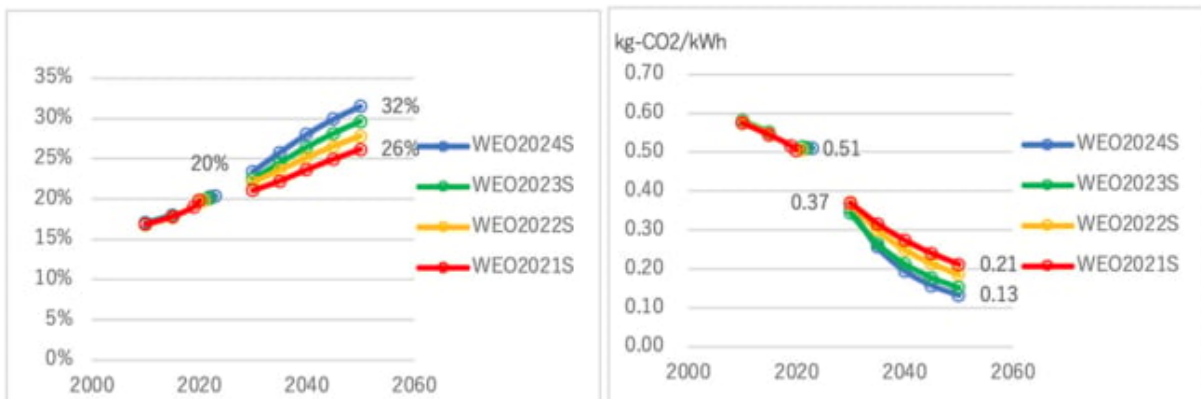
WEO2021 WEO2024 STEPS CO2

CO2 WEO2021 down WEO2021 up

WEO2021 WEO2024 GDP CO2

CO2

up CO2 down WEO2021 WEO2024 STEPS CO2



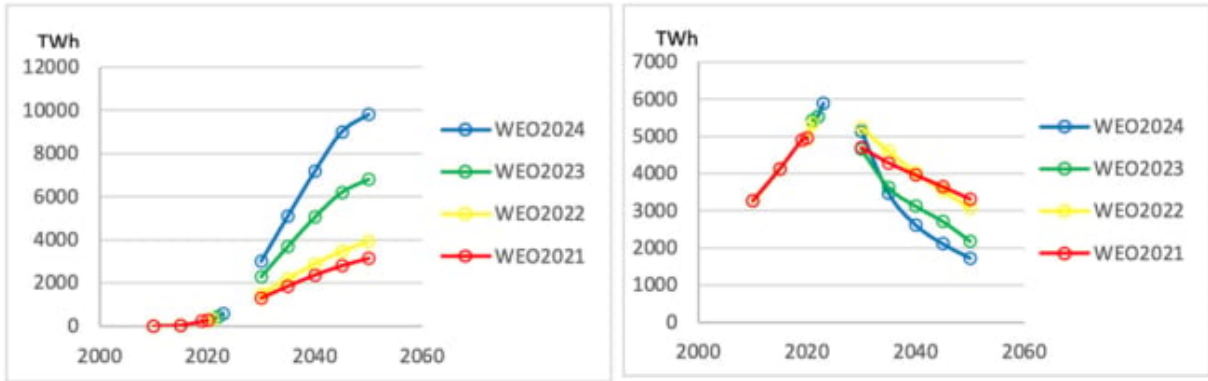
WEO2021 WEO2024 STEPS CO2

????????????????up????WEO2024?2050??32% ?WEO2021????2????????????????????????
????????????????up??????

????????CO2????????down????WEO2024?2050???WEO2021????4??????????1/4????

?????1????CO₂????????down????????????up?×???CO2????????????down????????????

?????????????3????????????????????????2022????????35% ??????????55% ??STEPS????????WEO
2021?WEO2024??3????????????

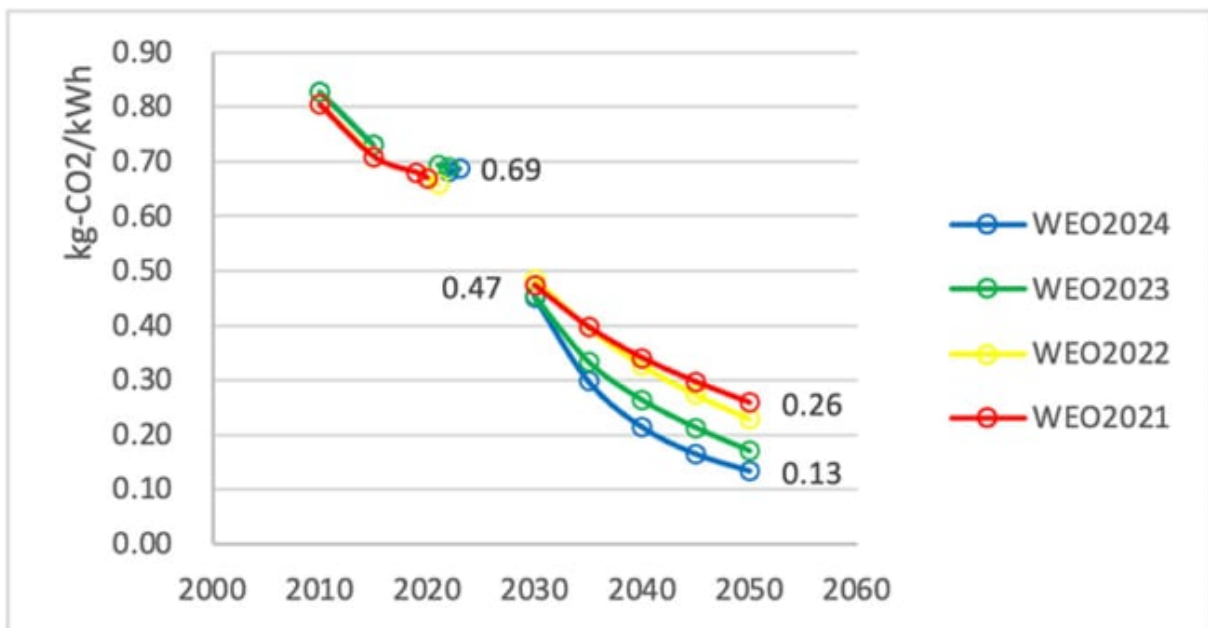


?3 WEO2021?WEO2024 STEPS????????????????????????

WEO2022????????????????up????????WEO2024?2050???WEO2021?3????????????????????????
??

????????????????????????STEPS??2030????????????????????WEO2021?WEO2024?????down??
???WEO2024??2030??2050?????70% ???????????

????????????????????????CO2????????²²????4????????????



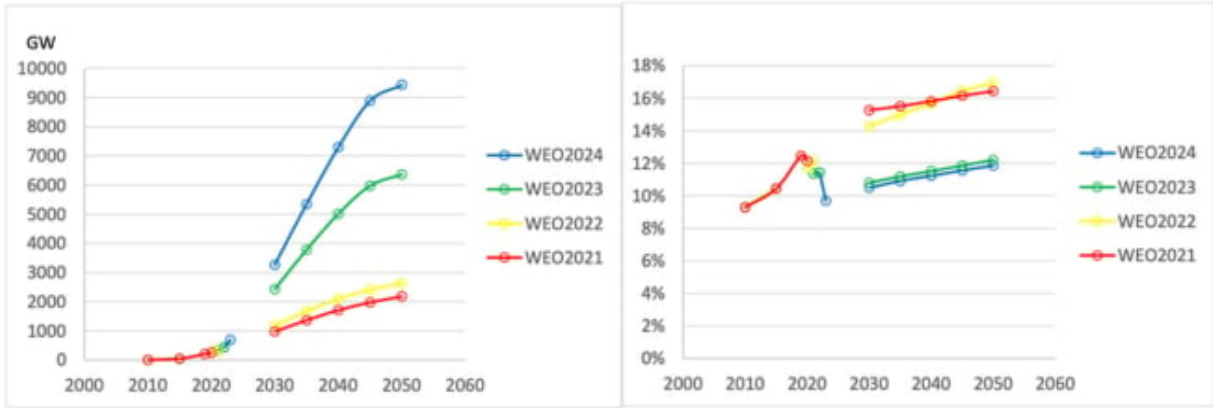
?4 WEO2021?WEO2024 STEPS??????CO2????

0.7 kg-

CO₂/kWh WEO2021 WEO2024 2050 down WEO2024 2050 0.13 kg-CO₂/kWh WEO2021 1/2 1/5 CO₂

STEPS CO₂ down CO₂ CO₂ down

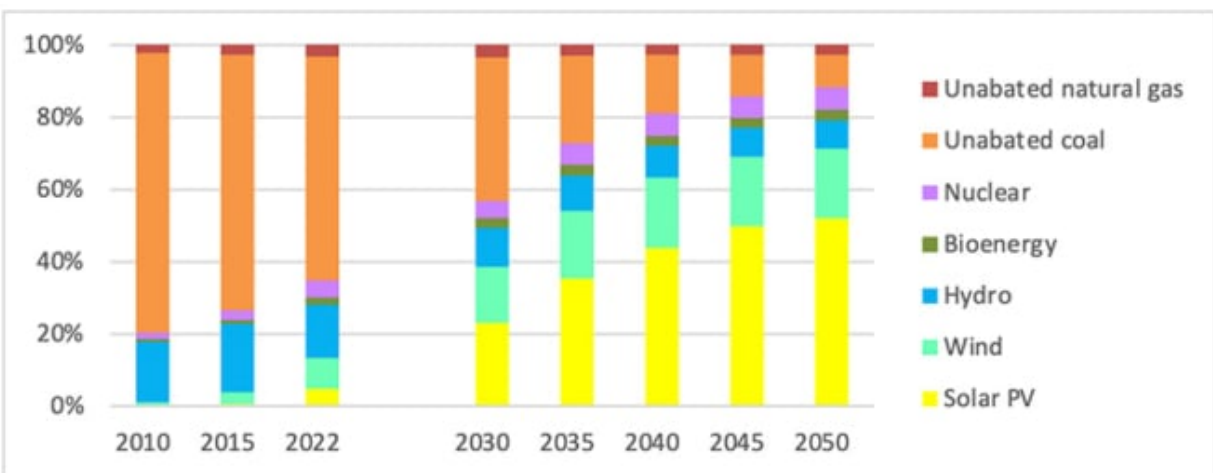
5



5 WEO2021 WEO2024 STEPS

STEPS up WEO2024 2050 WEO2021 2030 33 00 GW 2030 1200 GW WEO2024 AnnexB 3

STEPS 2030 WEO2024 6 2030 20 2050 50 STEPS



6 WEO2024 STEPS

WEO forecast STEPS

WEO

IEA STEPS

forecast STEPS IEA

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IEA website

- IEA, WEO2021_AnnexAExtended_Data
- IEA, WEO2022_Extended_Data
- IEA, WEO2023_Extended_Data
- IEA, WEO2024_Extended_Data

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2100 STEPS 2.4 APS 1.7 NZE 1.5 50 2050 97

CO2

WEO2024 2030 2050

WEO2024 2050 1800GW 2050 120GW 1/5 2050 400GW 1/40

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