Global Energy Policy Research | GEPR

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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

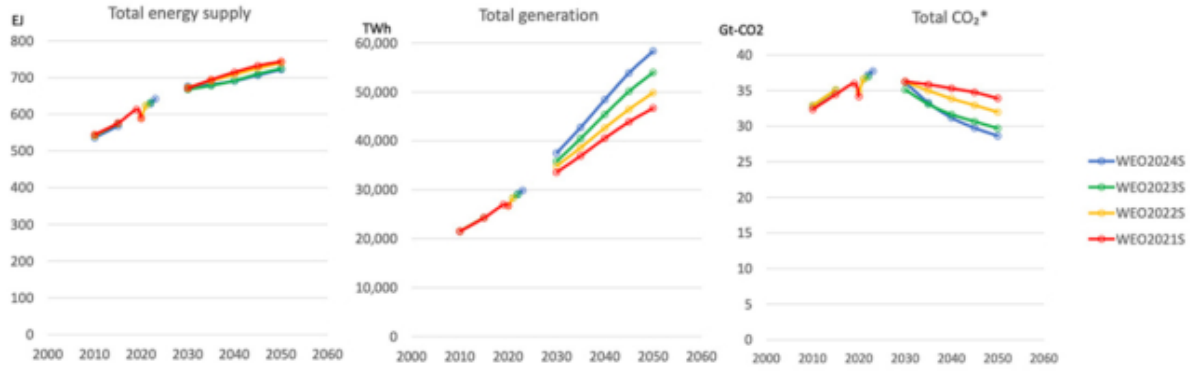
???????????????????4???WEO?????STEPS??????????????

WEO??2021???WEO2021???STEPS?APS?NZE???3?????????????????????????STEPS???????
??

???????????backcast??NZE?2050????CO2???????????APS?????????????????????????????STEPS
?forecat???[?1?]?

?????????CO2???

WEO2021?WEO2024?STEPS?????????????????????CO_2????????1????



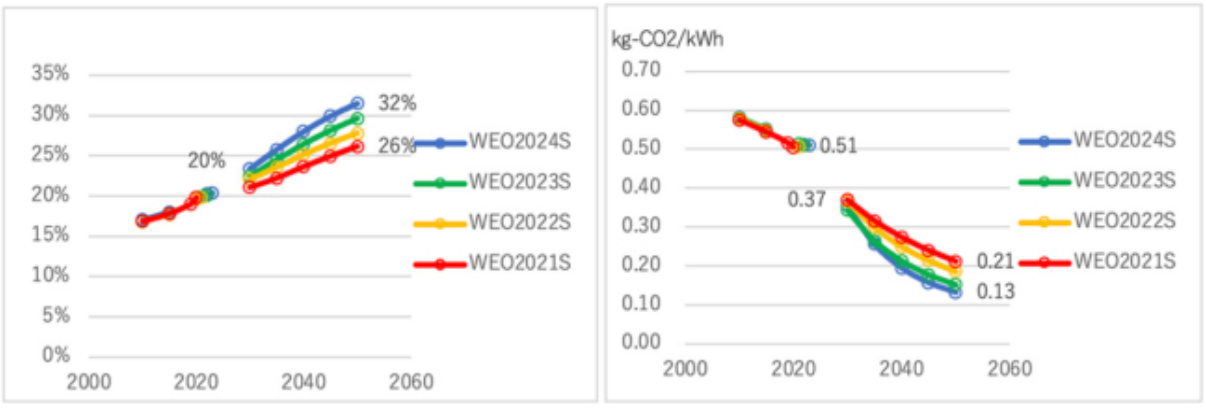
?1?WEO2021?WEO2024 STEPS?????????????????????????CO2??????

??????????CO_2????WEO2021?????????????????down?????????????WEO2021?????????????????
?up??????

WEO2021?WEO2024??CO2????????????????????????
??????????????????????????????GDP??CO2????????????
??????????????????

?????????????

?????????up?CO2????????down??????????????????WEO2021?WEO2024
STEPS????????????????????????????CO_2???????????????????2?



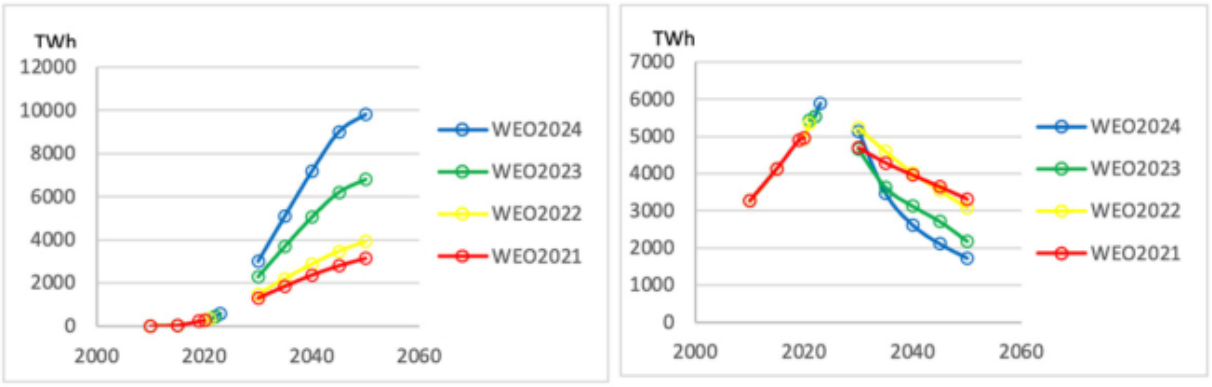
?2?WEO2021?WEO2024 STEPS??????????CO2???????

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

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

?????1????CO_2???????down???????????up?×???CO2??????????down?????????????

??????????????3????????????????????????????2022???????35%???????????55%??STEPS????????WEO2021?WEO2024??3???????????

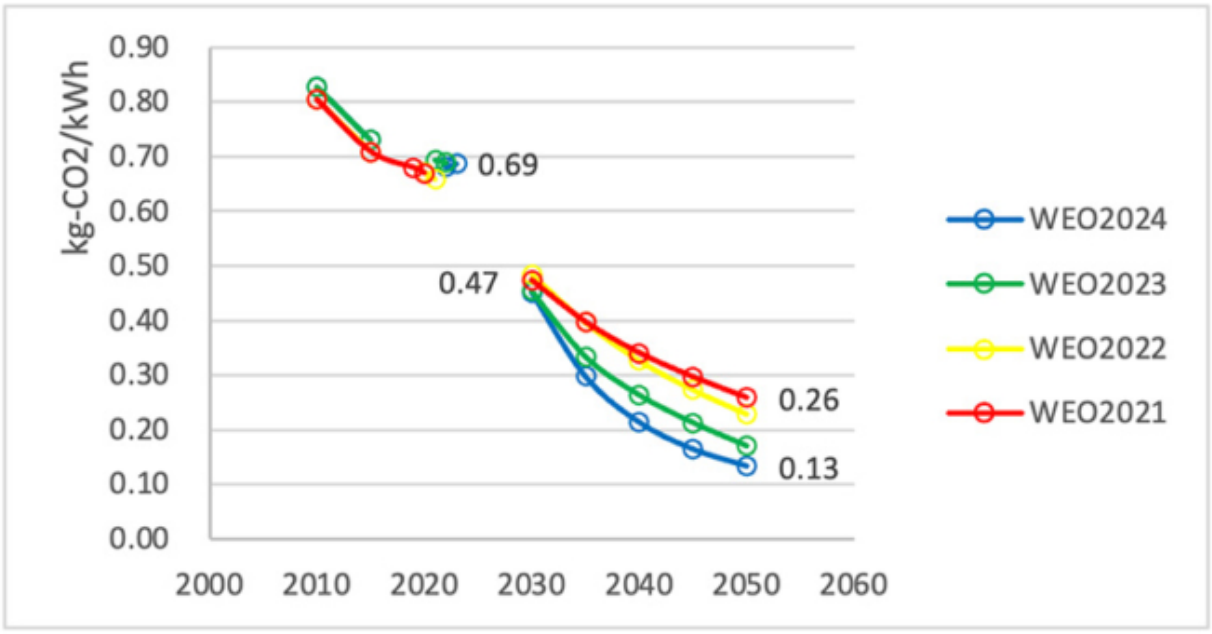


?3 WEO2021?WEO2024 STEPS?????????????????????????????

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

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

??????????????????????????CO2????????[22?]????4???????????

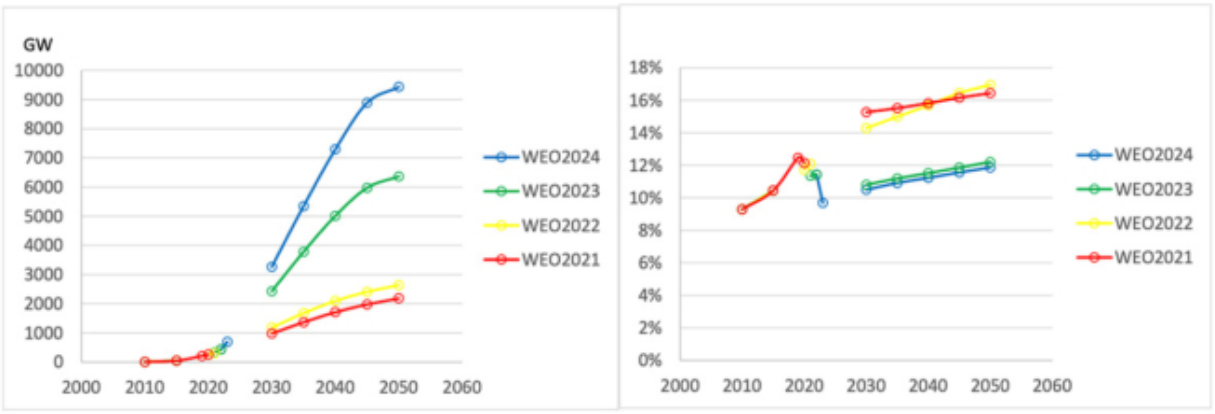


?4 WEO2021?WEO2024 STEPS??????CO2????

????0.7kg-CO2/kWh????????WEO2021?WEO2024?2050??????????????????????????down?????WEO2024?2050??0.13kg-CO2/kWh?WEO2021?1/2????1/5????????2????CO2???????????

???STEPS???????CO2???????????down???????CO2?????????CO2???????down?????????????

??????????????????????????5??

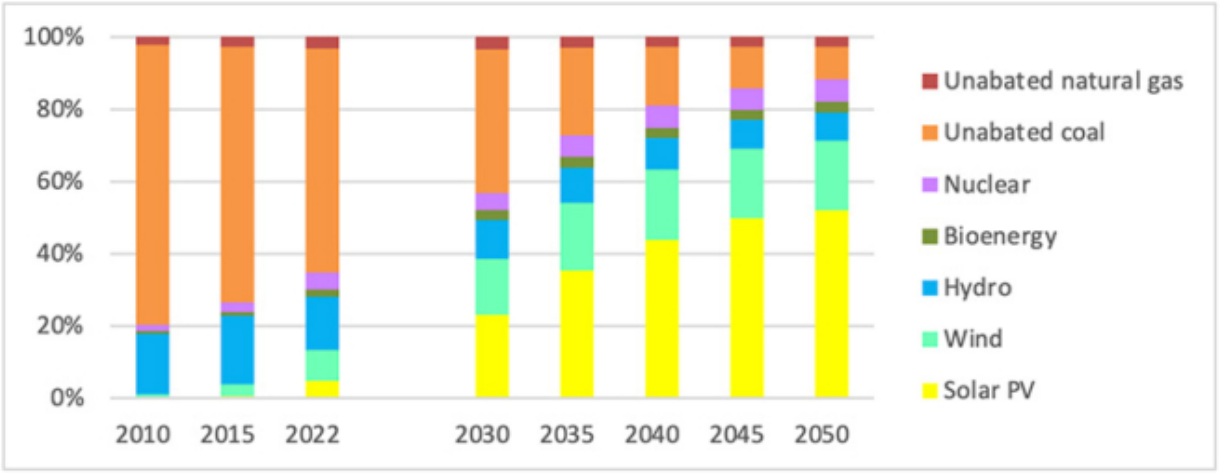


?5 WEO2021?WEO2024 STEPS?????????????????????????

STEPS?????????????up?????WEO2024??2050???WEO2021??4???????????2030????????????3300GW?????????????????????????????????2030????1200GW?????WEO2024 AnnexB?????3?????????????????????[?3?]?

??

????STEPS??2030?????????????????WEO2024??????????6????????????????????2030???20???2050???50??STEPS??[?4?]?



?6?WEO2024 STEPS?????????????

???WEO???????????forecat????????????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

?

?1?2100????????????????????STEPS?2.4??APS?1.7??NZE?1.5??????50?????????????????3????????2050????????97
???2050???????GDP????3.0?2.7??????????

?2????CO2 ???????????????????????????????????????CO2??????????????????????????????????

?3?WEO2024???????2030???????????????????????????3????????????????????

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

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