

Global Energy Policy Research | GEPR

[illegible]

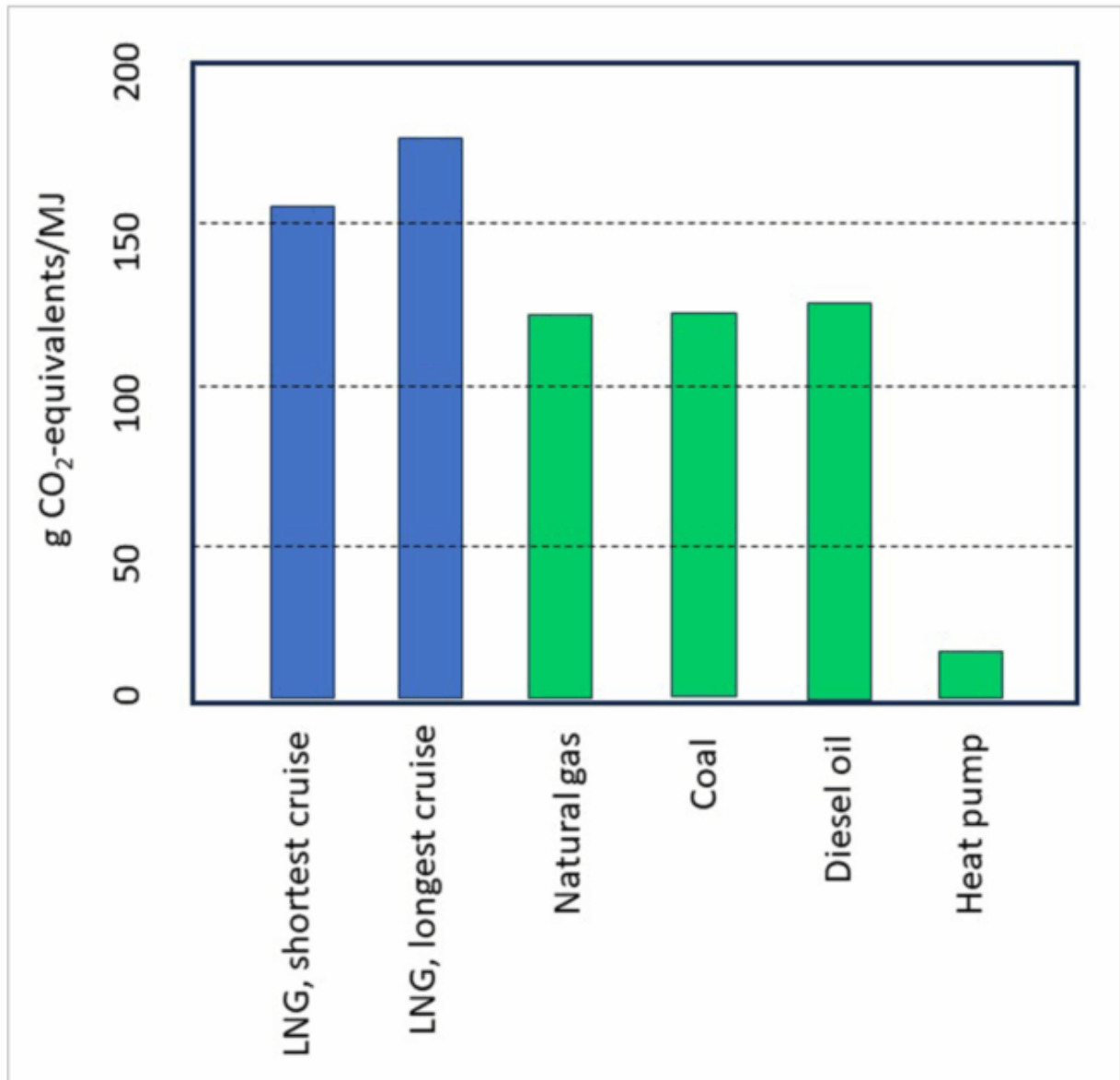
LNG???????CO2???????????

?? ?? · Wednesday, July 9th, 2025



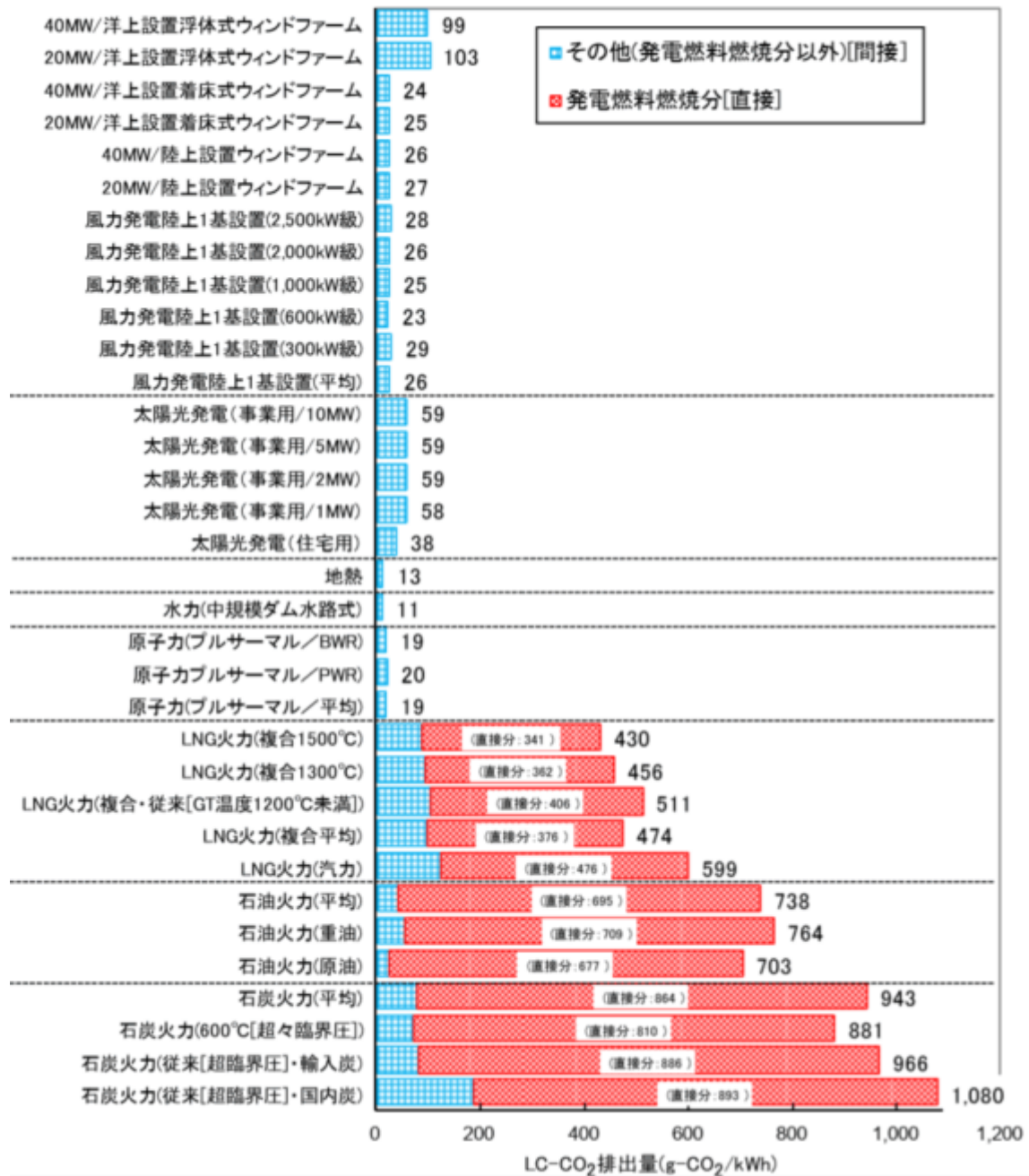
Lari Bat/iStock

?CO2?????LNG???????CO2??1??????CO2?????
 ?????????????????????????????????????CO2????????CO2????????



1????????

???????LNG???????CO2??2??



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

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

?????ChatGTP??

??? ——— ??????????

1. ?????????

- 20? GWP ?????? ? LNG ??????
- 100? GWP???? ? ? CO????????????

2. ??????MJ ? kWh ??

- ?????????????GTCC > ??????
- ?????????? kWh ?????

3. ?????????

- ?????????????????????????????
- 4. ?????????
- 2000???? vs 2020????????

??GWP????????????????????????????

???????GWP?Global Warming
Potential??1kg????
????????100??

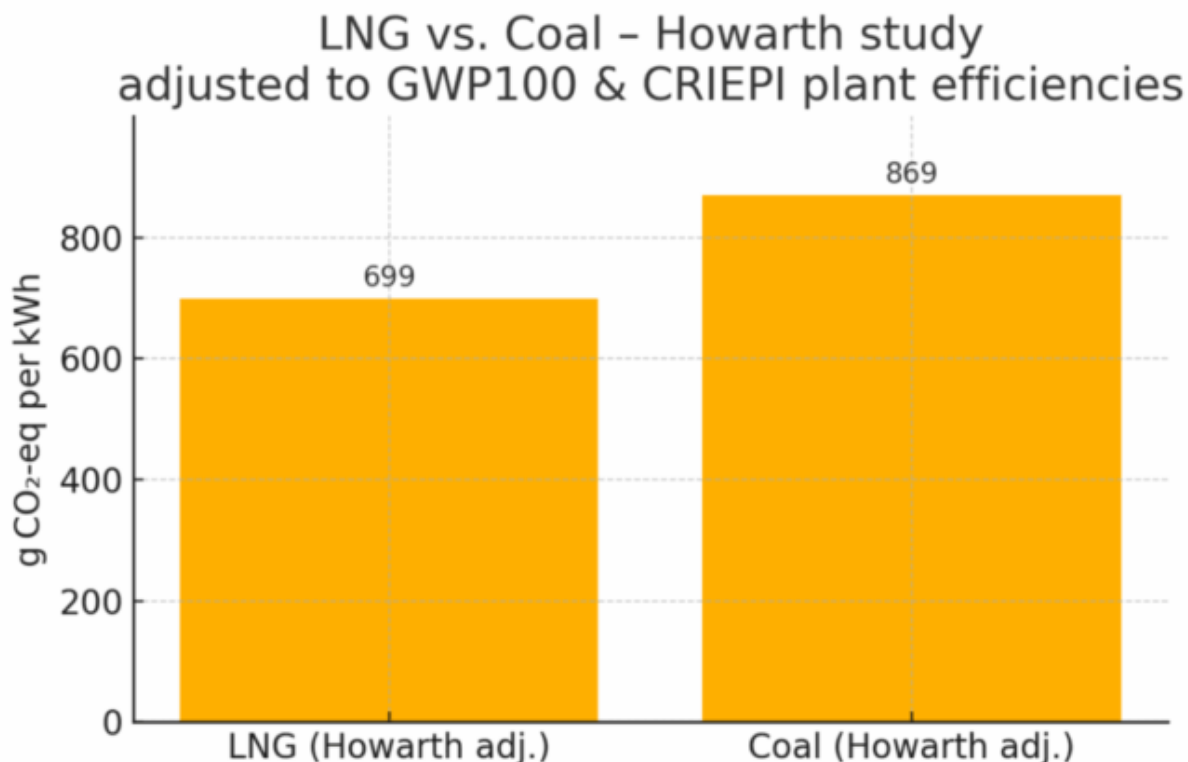
????????????????????????100????????????????20?GWP?=82.5????100?GWP?=28????3?
????

????????????????????????20????????????????????????LC -
CO2???38%????????????????????

????????????????????CO2????????????kWh????CO2????????LNG??
????????????????

????????????????100?GWP????????????????????LNG?????????
?

????????????3?



?3????????100?GWP????????????

????????

????????GWP100????????????????????LNG????????????????????
 ?????????????????
 ???

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

- LNG GTCC?1 500 °C??430 g CO₂/kWh
- ??USC?600 °C?? 881 g CO₂/kWh
 ?????????699 g/kWh???? **1.6??** ?????????????????????????????

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