

Global Energy Policy Research | GEPR

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?? ? - Thursday, February 6th, 2025



Young777/iStock

1. ??????????????????

????GWPF
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?

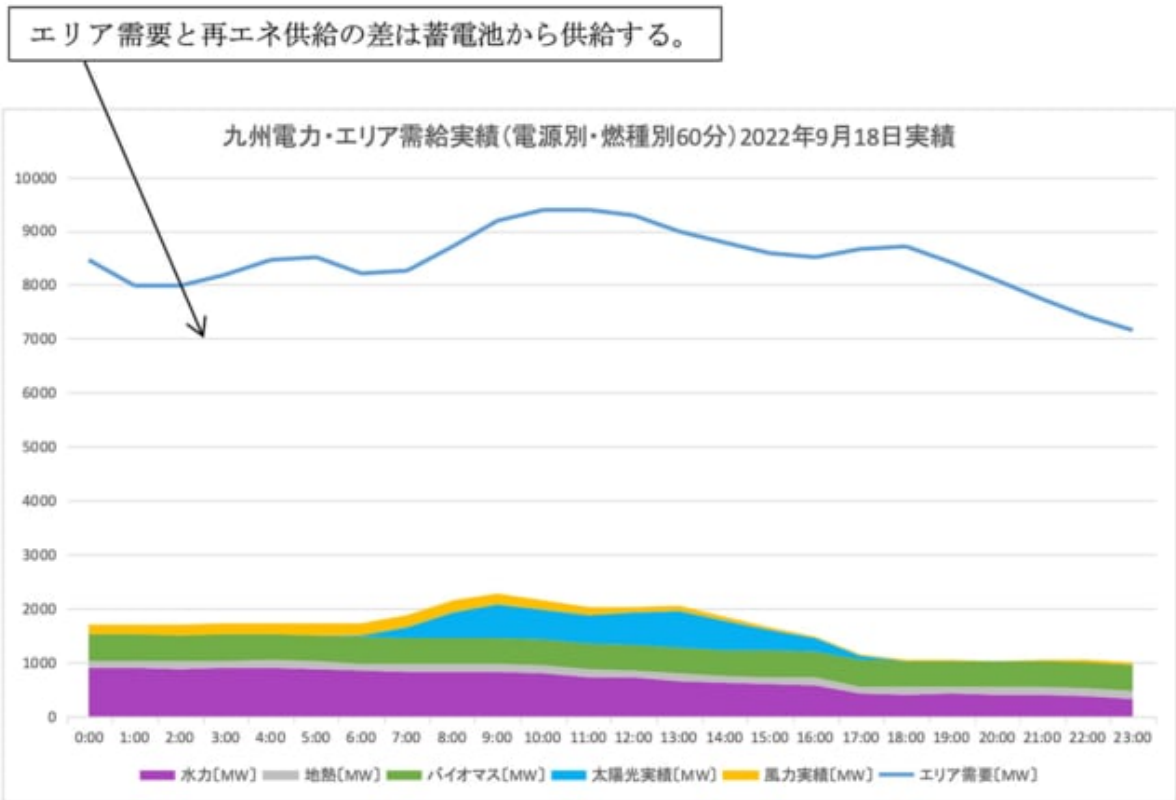
- 2024/12/27 1kW 3kWh
- 2023/6/14 2,000KW 35,800KWh
- NTT 2023/7/19 1,400KW 4,200KWh
- 2024/11/29 48,000KW 113,000KWh
- 2025 2024/2/26 5,880KW 2260KWh

2021 2023
2/3
???

100% 100

2. 3

2022 9 18 14
??



2022 9 18

5 3

9/18 16,409 KWh × 3 = 49,229 KWh

2024 7 9

7/9????????5,682?KWh

7/9????????????????????19,738?KWh

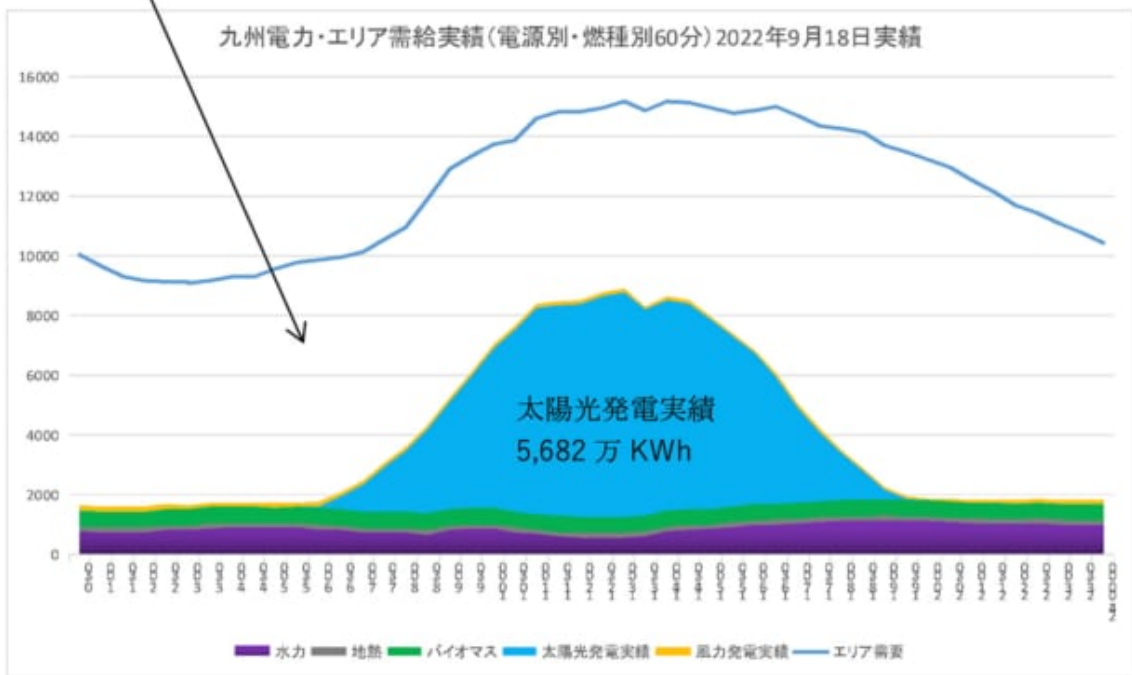
????????????????2022/9/18??
????????2024/7/9????????????

49,229? ? 5,682 ? 19,738 ? **50,034?KWh????????????????????????????????**

50,034?KWh ÷ 5,682?KWh ? 8.8?

2024/7/9????????????5,682?KWh????2024????10????????????????????????????????2024????????????????????
????????????????????10????????????????????????????????

エリア需要と再エネ供給の差 (19,738 万 KWh) も太陽光+蓄電池で供給すると仮定



????????????????????????????2022?9?18??

????????????????????????2024/9/18????????3????????????????49,229?KWh????????????????????????
????????????????????????????????????11.3?KWh????????8,000????????????

49,229?KWh ÷ 11.3?KWh ? 4,356?

3??4,356????????????100%????????????????????????



「紀の川蓄電所」全景



蓄電池コンテナ

3 ORIX ? ? ? ? ?
? ? ? ? ?

3. 1 ? ? ? ? ?

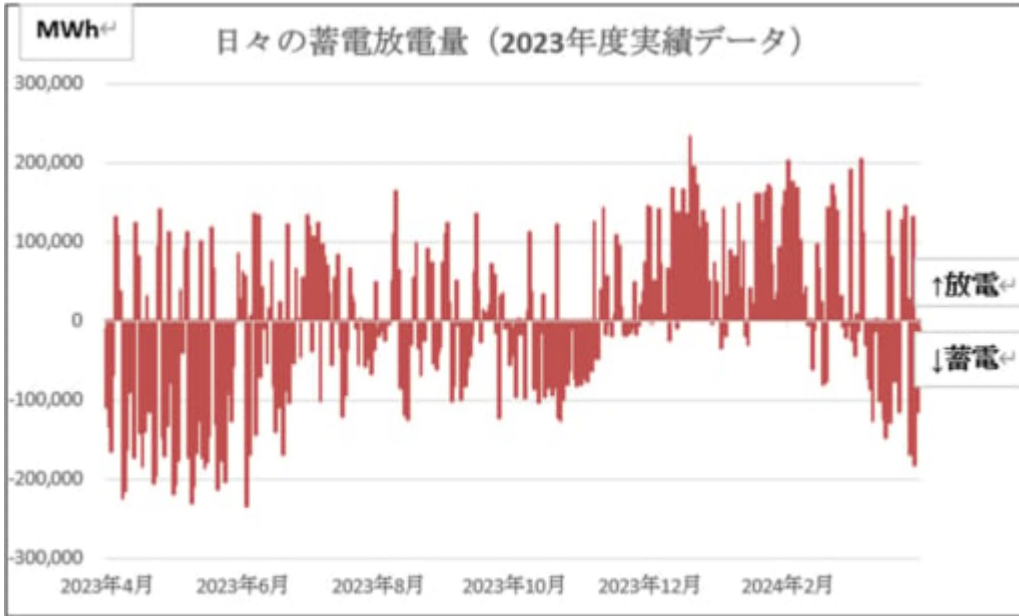
3 ? ? ? ? ? 2023 ? ? ? ? ?

4 ? ? ? ? ?

N=5 ? ? ? ? ?

10 ? ? ? ? ? 2023 ? 1 ? 5 ? ? 7,683,587MWh ? ?

? ? ? ? ? 2024 ? 3 ? 6 ? ? ? ? ?



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

2023????????????????????5????????????

??????7,683,587MWh??

768,358?KWh ÷ 11.3?KWh ? 67,996 ?

??????????

78,000? × 67,996? 544 km²

??????340km²??1.5????????????????????????????????????

??????????2.5??????????5??

?

6. ???

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	必要な太陽光 パネル量	必要な 蓄電池容量	蓄電池を設置 するスペース	蓄電池を設置 するコスト
3日間の曇りに対応する	2024年の 10倍	49,229万 KWh	34 km ²	34兆4600億円
1年間の供給に対応する	2024年の 5倍	768,358万 KWh	※544 km ²	※537兆8506億円

?2 ?????????100????????????????????????
?????????340km2???1.5?????GDP??????????



?5 ?????????????????????????????????????
KSBW????????

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