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??GCC??  
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????????????????????????????GCC????????????????????????????????240????????????????LNG??  
????17????????????????????3??5????????????????????????????????70????????????

**The damage wrought to the Middle East’s oil and gas supplies**

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- GCC??
- GCC????????????????????
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- ?????GCC????????GCC????????????????????
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- ?????????GCC??

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Posted in ??????????, ??? | No Comments »

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?? ?? · Thursday, April 16th, 2026

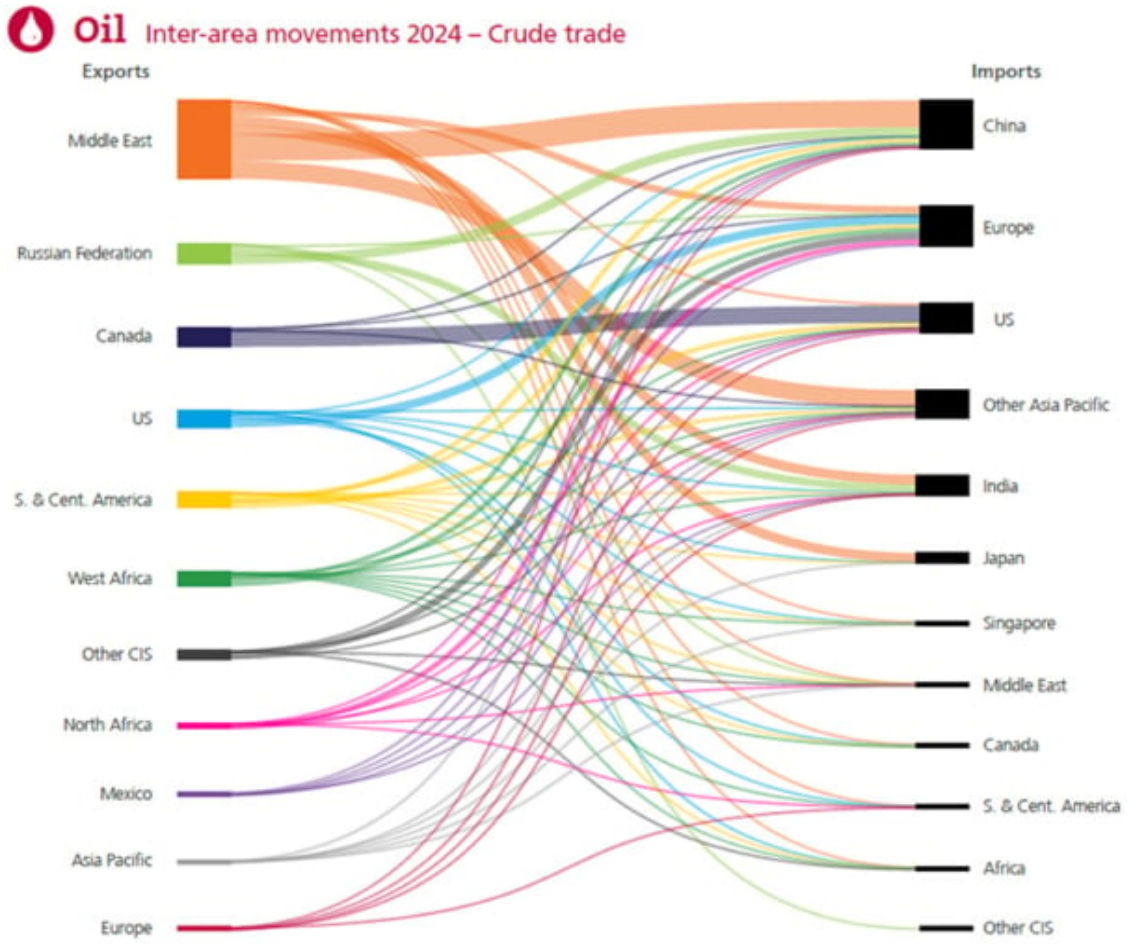


Marc Dufresne/iStock

Ronald Stein????????????????



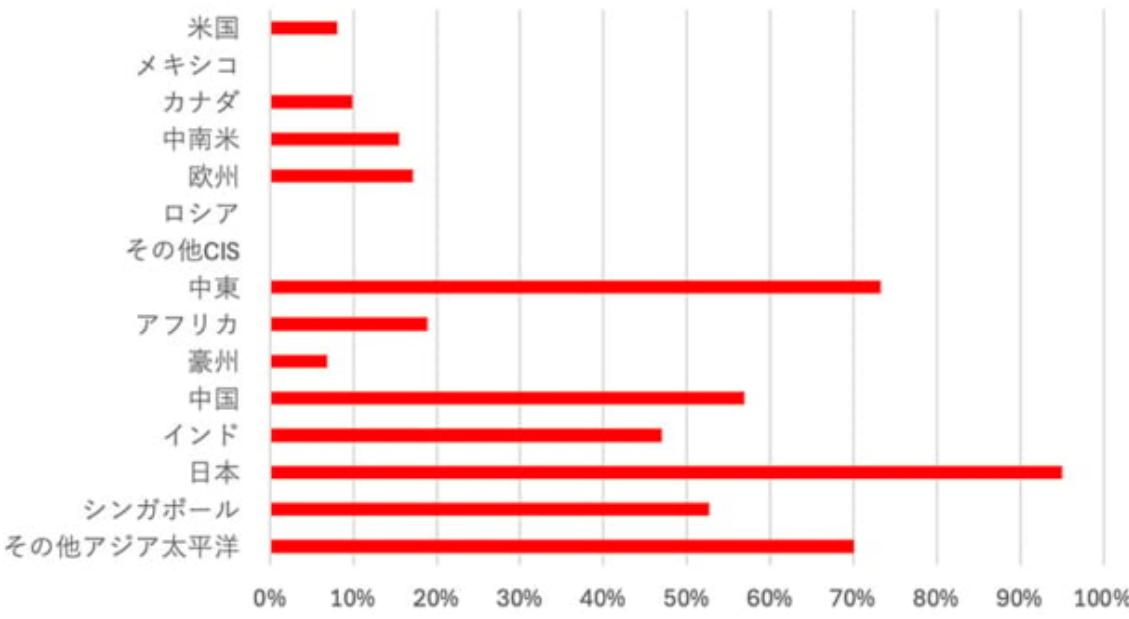




?1 ?????????????2024??

??2????

????????????????????????????????????95% ???70% ?????60% ?????? 50% ???

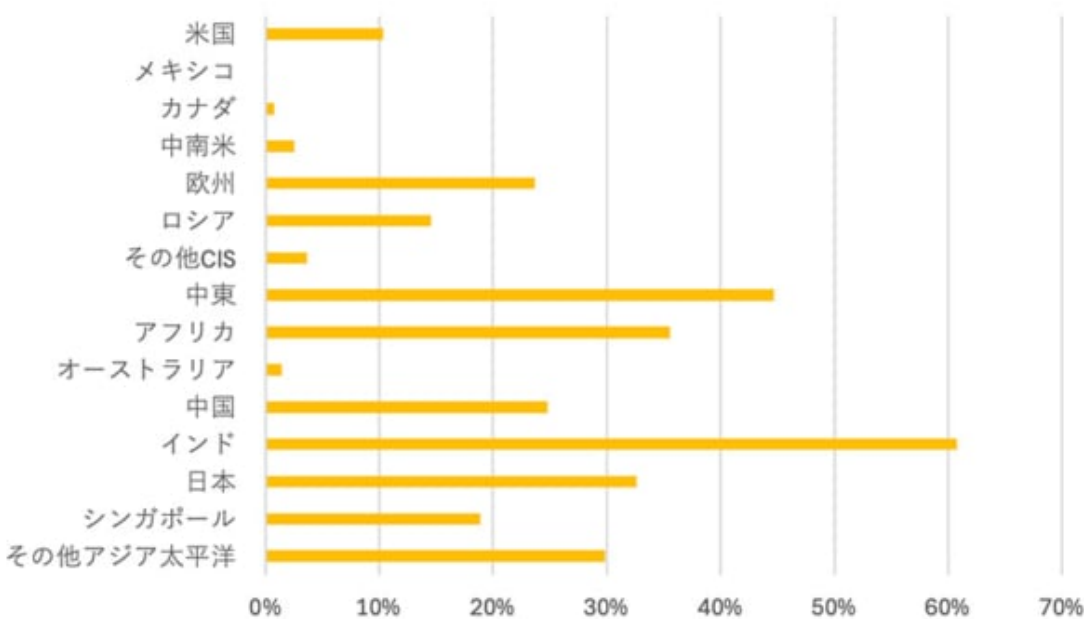


22 ?????????????????????????2024??

??20%????37%??

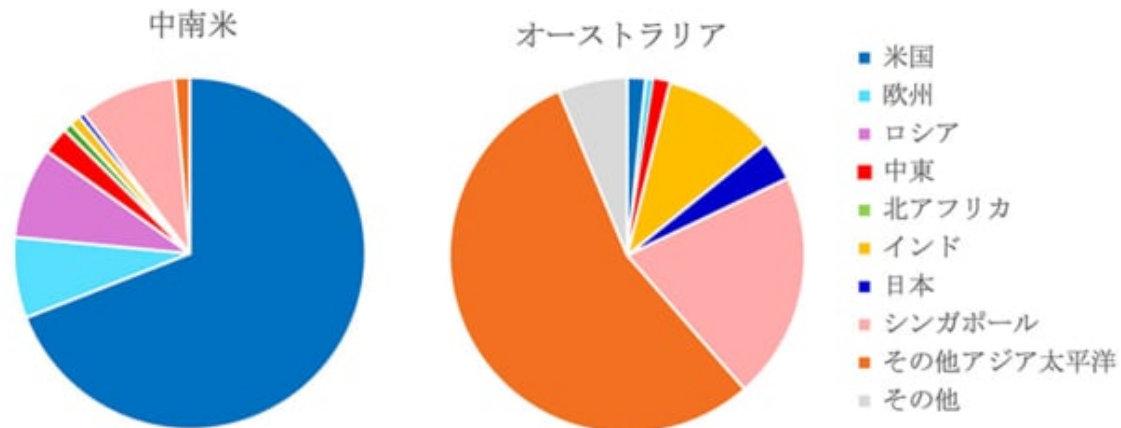
????????2025?10??3?5?30??

### Statistical Review of World Energy 2025



23 ?????????????????????????????2024??

??30%??



24 ?????????????????????????????

????????????????70%??90%???

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Posted in ??????????, ??? | No Comments »

## ??

?? ?? · Thursday, April 9th, 2026



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GX??CO2????????????????????  
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?????50??VAT??6??21% ??10% ??????EU?  
??????????????????1??????????0.3????????????

??????????????????????????23% ??8% ?????????????????????????EU??????????

??????????????????????10??

????????????????????????2050?????24????????????????????????????????????2030?55% ???????????

?? ?? CSR? CSDDD? CBAM? ?????????????????? EU-  
ETS??2040?90% ??????85% ?????????????  
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????????4??GX-  
ETS????????SSBJ????????3??CBA  
M?CSDDD??

- ?????????????????????3???????????
- ??CBAM?COP30?????????CBAM?????????
- ????????????????????????????????

??SEC????????????????CSR?CSDDD????????????????????????????  
????????????SSBJ????????????????GX-ETS?SSBJ??

??GX-ETS?SSBJ??GX-  
ETS?SSBJ??

????????????1??2030?46%??2035?60%  
??2040?73%??2050??

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Posted in ??????????, ??? | No Comments »

## ????????????????EU????????????????

?? ?? ? - Tuesday, April 7th, 2026



Guyen Ozdemir/iStock

4?12??EU????????????????  
??62??



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Wikipedia??

??1988????????????????????????1998??3  
5??  
????1????????????

????2010??  
??4????????????

????10??EU????????EU??  
????????????EU?“?????”????????EU????????????????????????????????????  
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??3??2????  
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??“?????”????????????????????“?”????  
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?????EU??2022??????25?????3????????????1690??????30????????????????????900??  
??16.4??

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????????????35????????????EU????????????900????????????  
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??EU????????????????????????EU????????????????????????????????

2022??“CPAC Hungary“?Conservative Political Action  
Conference????????????????CPAC????????????

??3?21????????51????667????????????????????????????????????  
????????????????????AfD????????????????????????????????????  
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????????????????????????????24?230????????????????30????????????  
????????“CPAC Hungary“????????????

??EU??  
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??12????????????????????? ??EU????????????????????????????????

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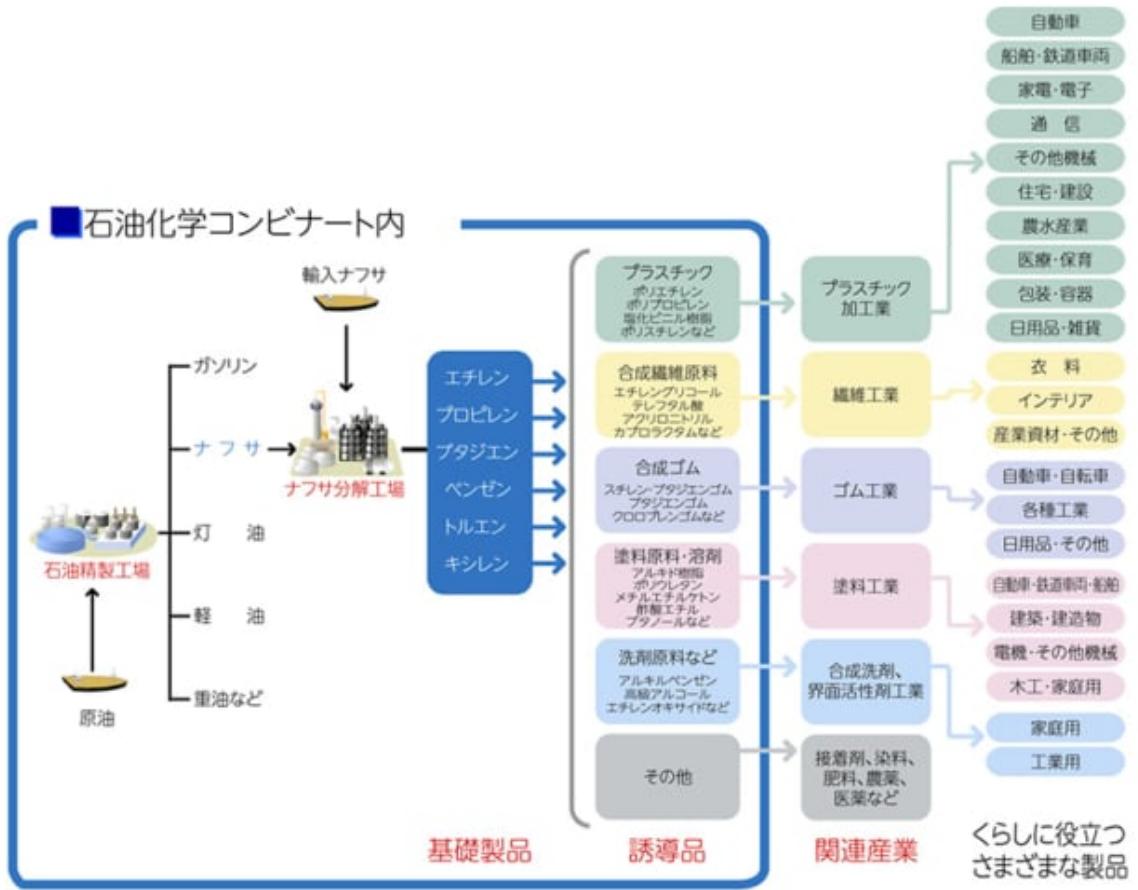
????????????????16??  
????????????EU????????????????????????????????

Posted in ???, ?? | No Comments »

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?? ?? · Monday, April 6th, 2026





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??????????2026????????????????????????????????????254??????—????????????????????????????????????

??6000????????????????  
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??TPS????????????

??QOL????????????  
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Posted in ????????????, ??? | No Comments »

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?? ??? · Saturday, April 4th, 2026



vencavolrab/iStock

2012??  
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CO2??  
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??<sup>21</sup>??

??<sup>22</sup>HP??

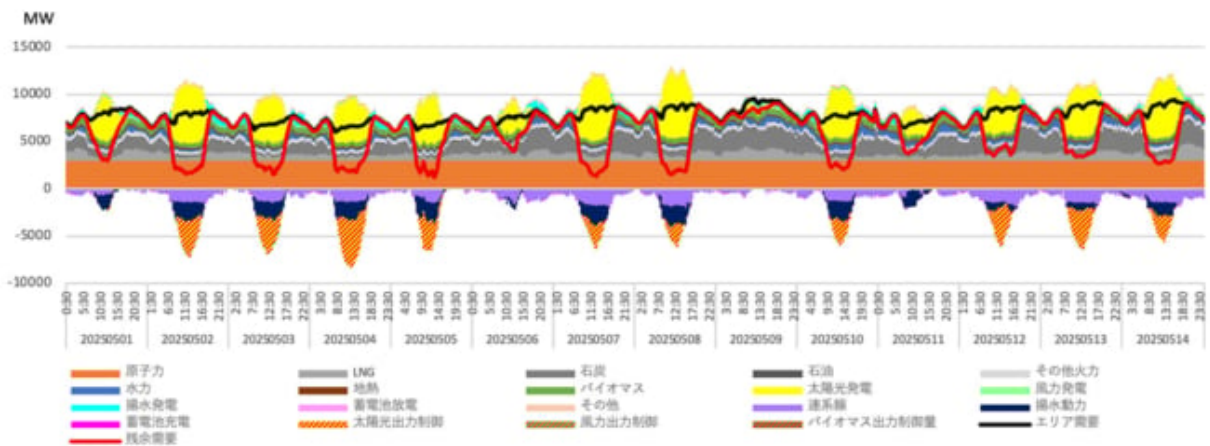
- ①火力(石油、ガス、石炭)の出力制御、揚水・蓄電池の活用
  - ②他地域への送電 (連系線)
  - ③バイオマスの出力制御
  - ④太陽光、風力の出力制御
  - ⑤長期固定電源※ (水力、原子力、地熱) の出力制御
- ※出力制御が技術的に困難

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??1/3????????????????10????????????????????

????????????????????????????????2025?5?1??14????<sup>23?</sup>??

5????????????????????1??



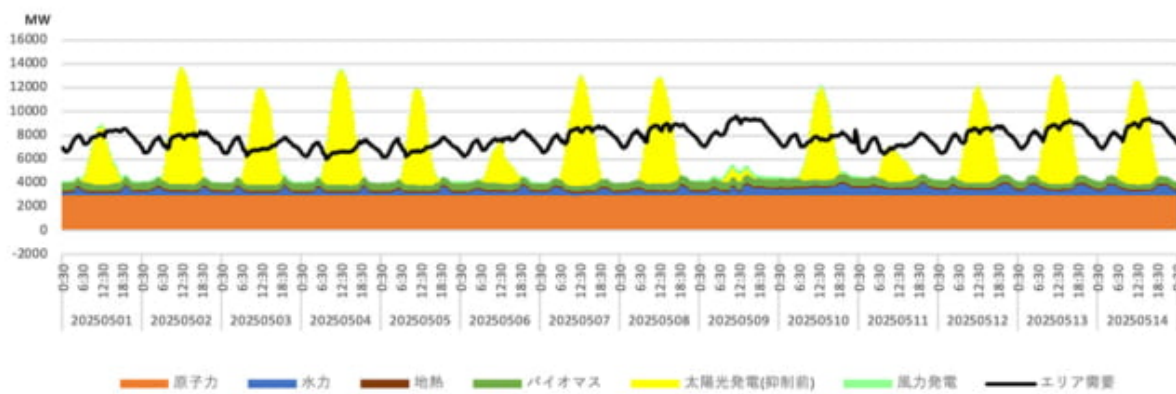
?1 ??????????2025?5?1?14??

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

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????????????????????????????????24????????????

????CO2????????????????1????????????CO2????????????  
????2??

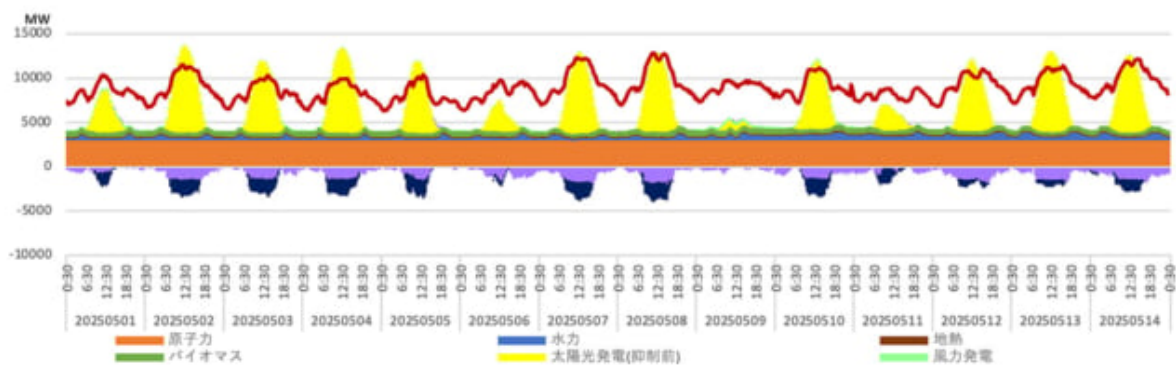


2 ??????CO2????????????????2025?5?1?14??

??CO2????????????  
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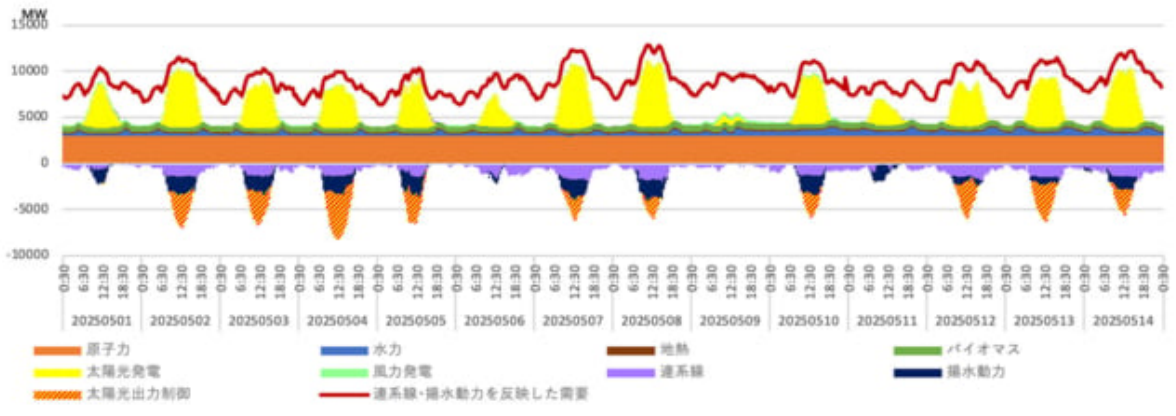
??3????

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



3 ?????????????????????????????2025?5?1?14??

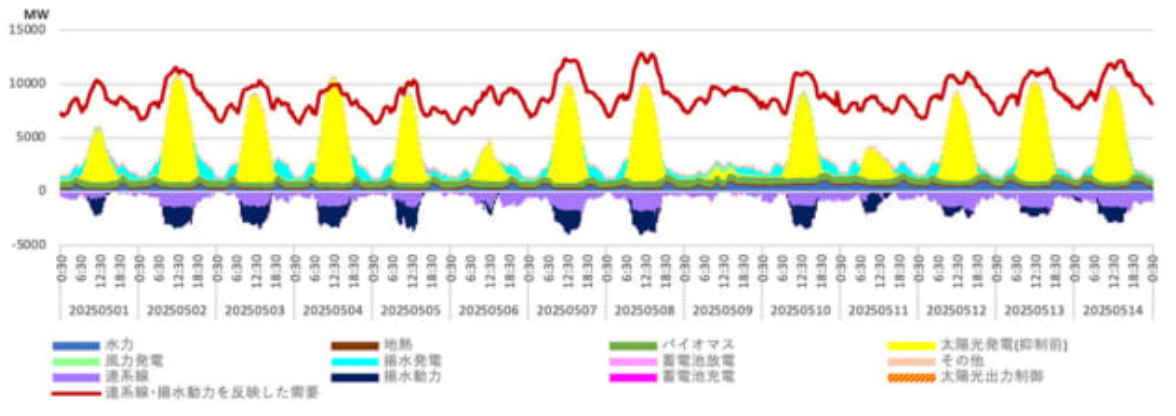
??4????????????CO2????  
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24 ?????????????????????????????????????2025?5?1?14??

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

??2????????????????????????????????????  
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25 ?????????????????????????????????????2025?5?1?14??

??4????????????????????  
??3????????CO2????????????????3?????

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??CO2????????????????????????????????  
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??CO2????????????????????????????????  
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21??

22????????????HP????????????????????????????

3??????HP2016??????1????CSV?????  
4??  
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Posted in ?????????, ??? | [No Comments »](#)

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?? ?· Wednesday, April 1st, 2026



tzahiV/iStock

## ????????????

20263?17?14?28????????????????????2?6600????????2024?4?25????????????2026  
?1?28??1?2100????????19?8????????4????????

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1?????????????  
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- ?????????????30MW
- ?????????????5MW
- ?????????PV700????????????578MW??????

????????????????1????????94MW????????????12MW????????

宮古発電所		宮古第二発電所		系統用蓄電池	
号機	最大出力(MW)	号機	最大出力(MW)	号機	最大出力(MW)
1号ガスタービン	5	1号	10	蓄電池	12
2号ガスタービン	5	2号	10		
3号ガスタービン	5	3号	10		
合計	15	4号	10		
		5号	15		
		6号	12		
		7号	13		
		合計	79		

1????????????????????????????

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??YouTube?  
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14:28????????3????10MW????????????????  
 ?????2????10MW?4????10MW????  
 ???????2?6600????????

15:11????????????????  
 15:21?6????12MW?????  
 16:03?1????10MW?????  
 16:05????????????  
 16:12????????????  
 17:26?2????10MW?????  
 17:32?GT3????5MW?????  
 17:41?GT2????5MW?????  
 18:16?4????10MW?????  
 19:02????????12MW?????

19:08????

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- ?????????????????????????????????2????3????4????3????????
- ?????????????19:02????????????????????????????

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Q. 3????2????4????????

A. ???

**NHK????**

Q. ?????????????????

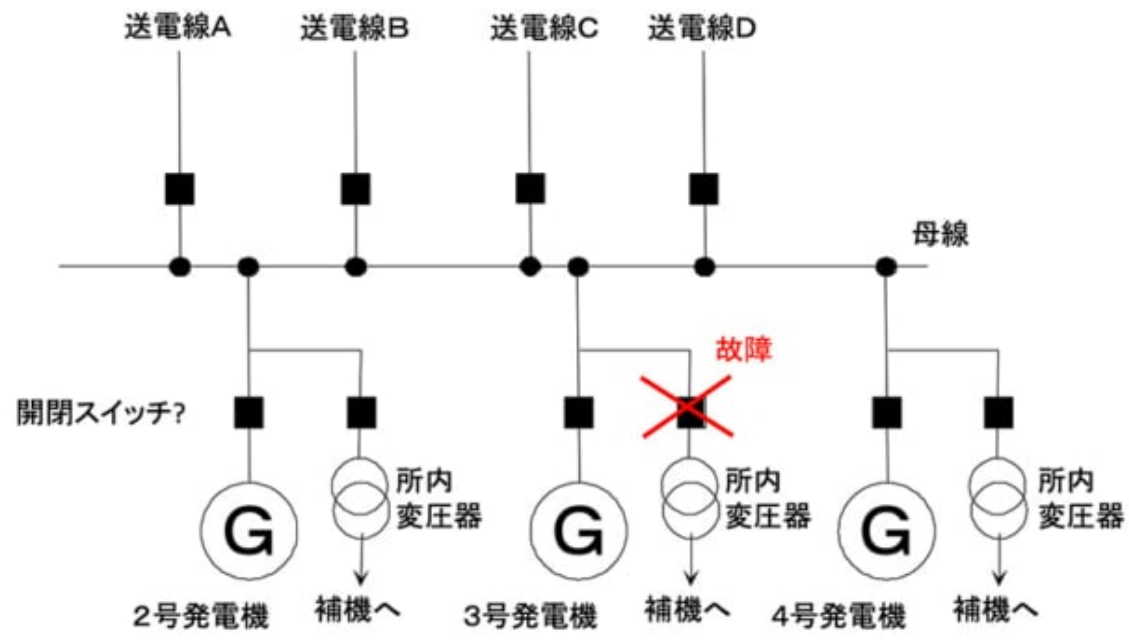
A. ???

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Q. ?????5????????

A. ?????????????????????????????????????

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????3????????????????2????4??

????????????????????3????????????????????????????2????4????????????????????????????

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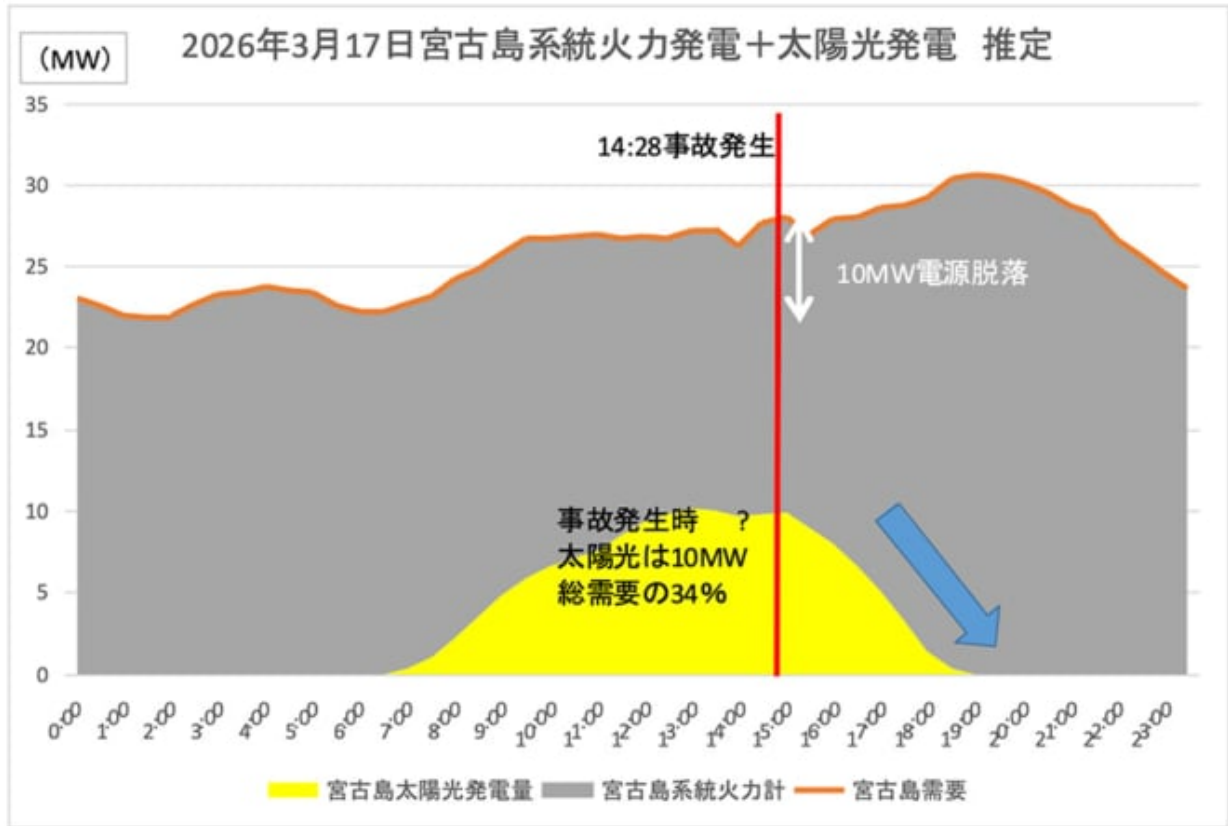
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1. ???
2. ?????????????????????????????30MW????????????????????
3. ?????????????????????????????????

????????????????2026?3?17????????????????????3????????????14?28????????????????????????37  
????????????



????????8MW????????????????????????????????

??????14:28??3????????10MW??20??  
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????????????57Hz??PCS????????PC  
S??

PCS????????58.5Hz??  
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????PCS????????58.5Hz?????????  
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??43????????????????????1?  
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??????12MW??48MWh??19?2?????

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??2027????????????????FIP??  
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Posted in ??????????, ??, ?????????? | No Comments »

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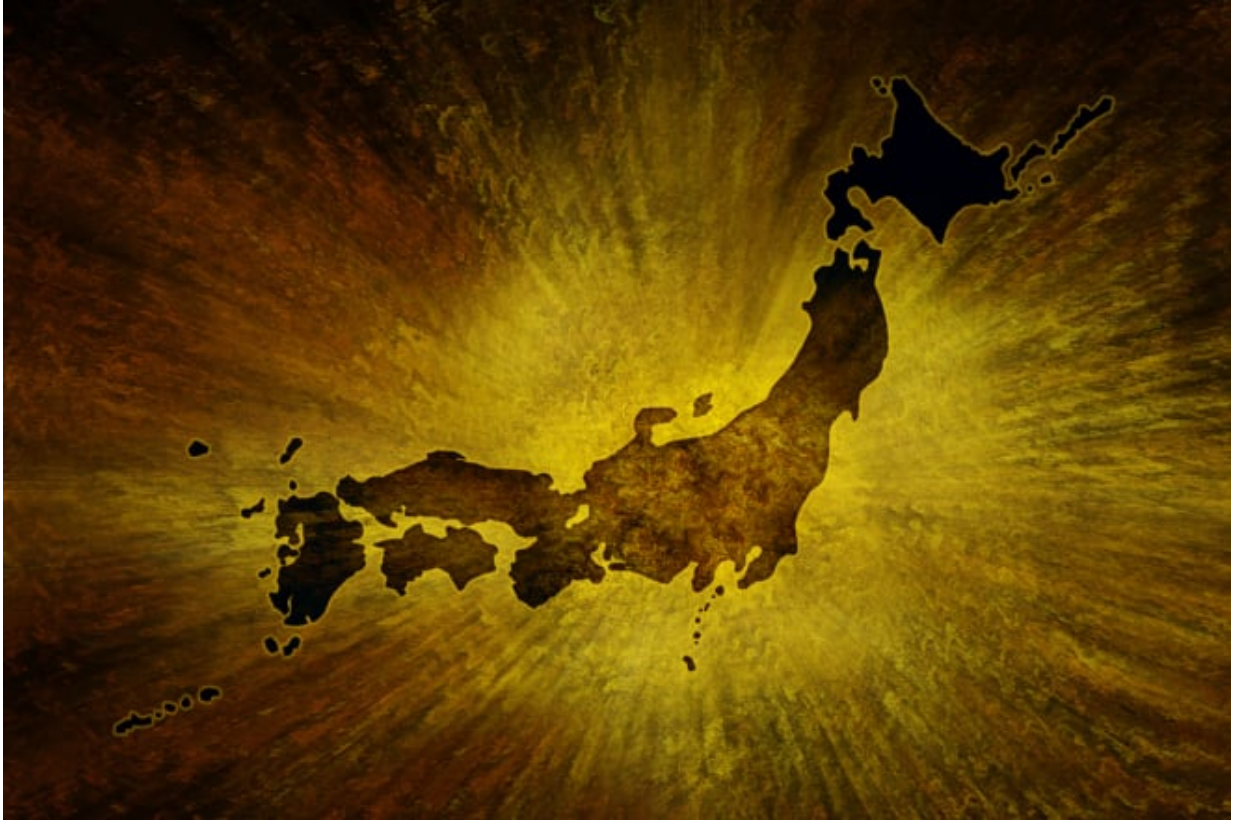
?? ? · Tuesday, March 31st, 2026

??LNG????????????????????  
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????????????????????????????321??  
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??425????????????????????  
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??17%????????????LNG????????????5????  
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SAIGLOBALNT/iStock

**1. ????????**

????????????????????????????????IEA????????????????????????????????

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?1????????????????LNG????????????????????JOGMEC????????????????????LNG????????????  
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?2??LNG????????????????????????????  
????????????????????????????????2026?4????????????GX-  
ETS??

?3????????????IEA??  
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????????LNG????????????????????????????????????

**2. ?????????????????**

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LNG????????

????????????????LNG????????????LNG????????????LNG????????LNG?????  
??15%????70%????????



????LNG??  
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??JOGMEC?JBIC?NEXI??  
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### 3. ????????????

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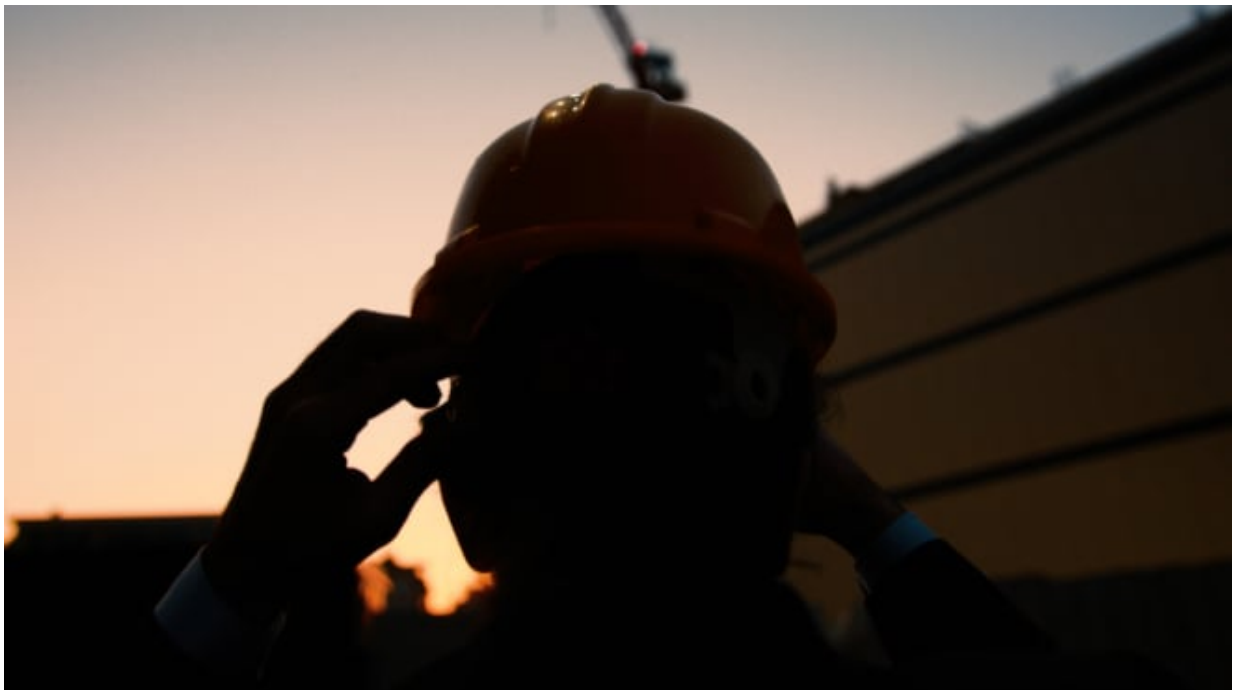
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??EU????????????????????????????  
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Posted in ????????????, ??? | [No Comments »](#)

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?? ?? · Monday, March 30th, 2026



Sefa kart/iStock

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2026?1????????6??

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Wikipedia

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Posted in ??????????, ??, ????????? | No Comments »

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?? ?? · Sunday, March 29th, 2026



FarzadFrames/iStock

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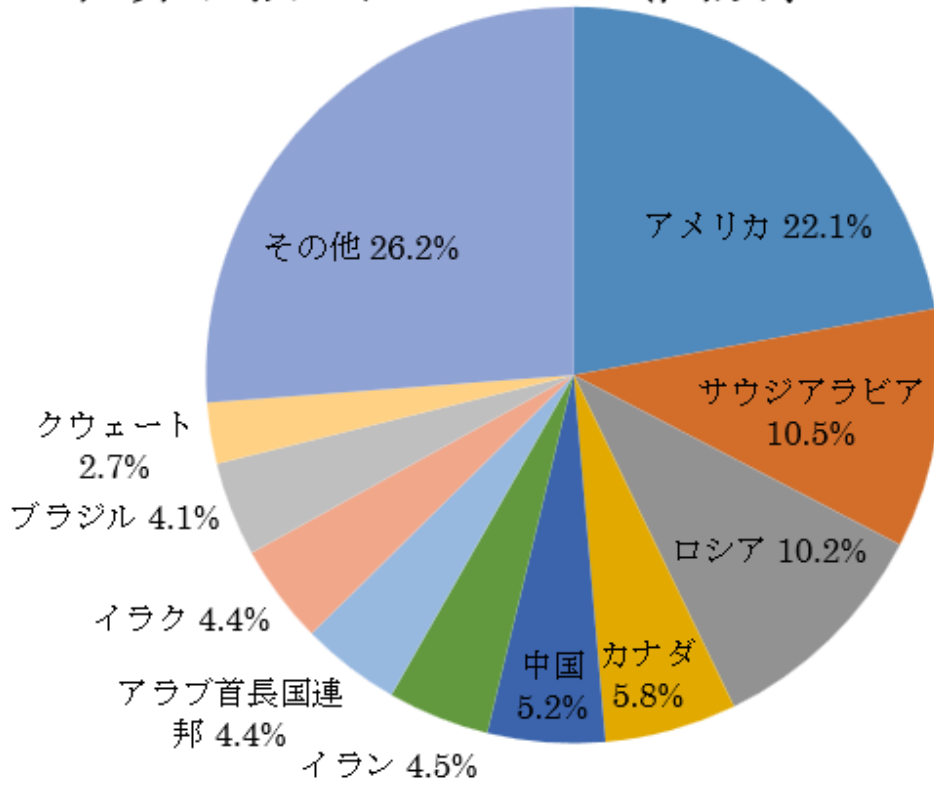
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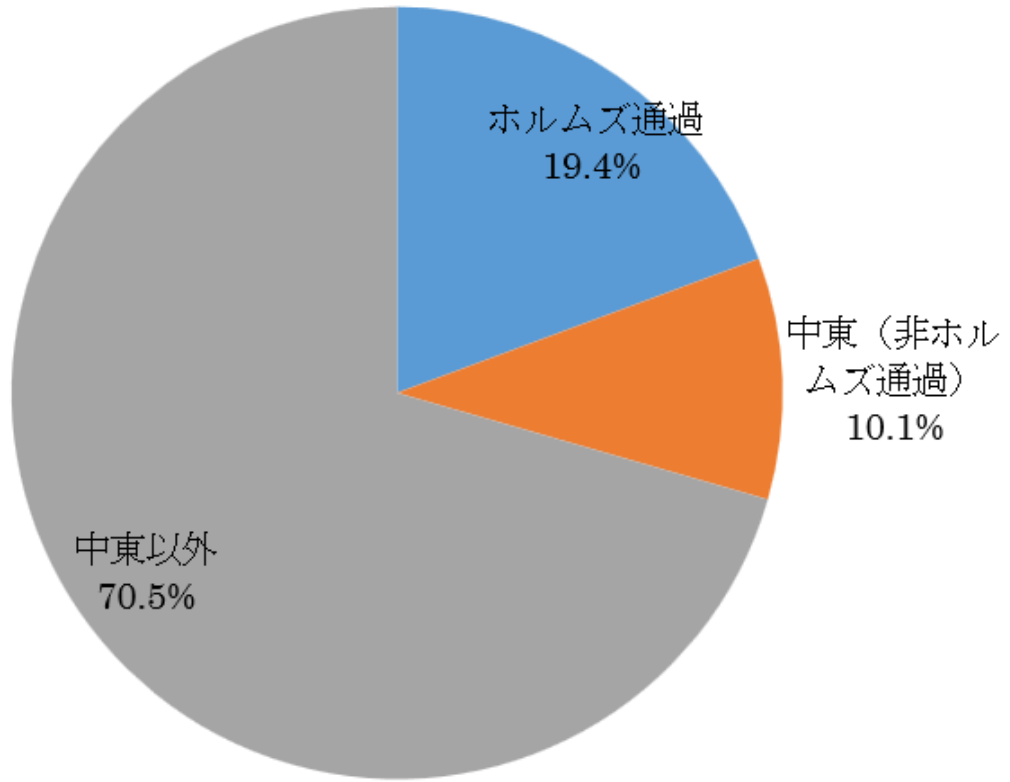
### 世界石油生産シェア（国別、2024年）



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世界の石油生産内訳



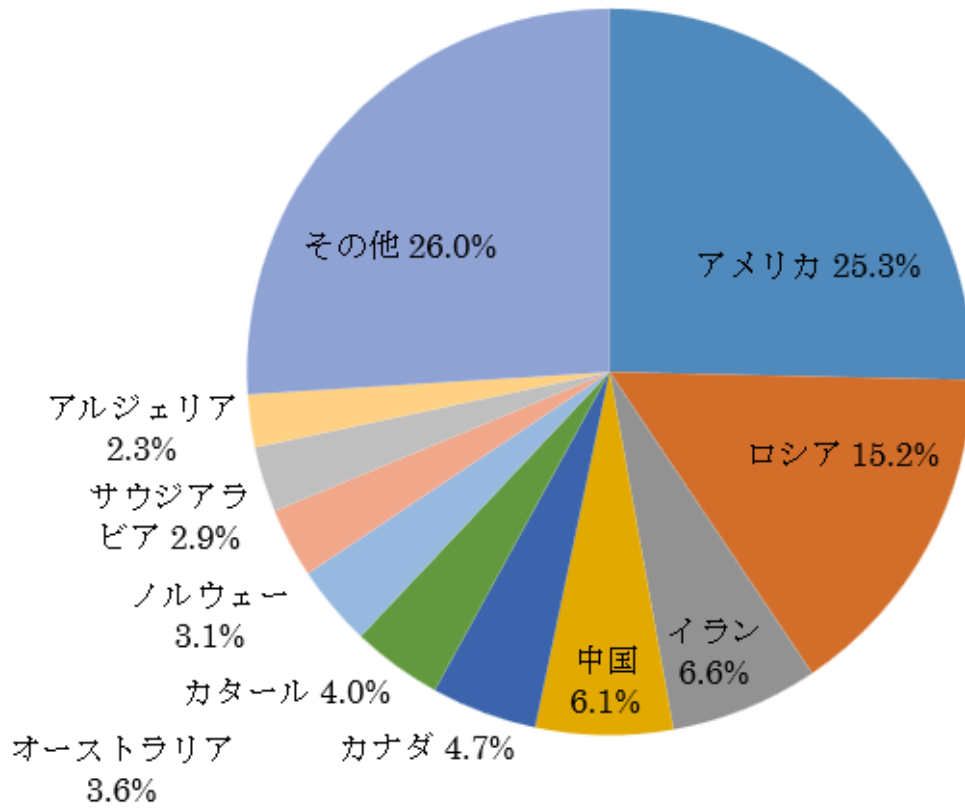
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????????????20% ?????????????????????????????????????10% ?????????????????????????????????

????????????????????????????????20% ???

??3??

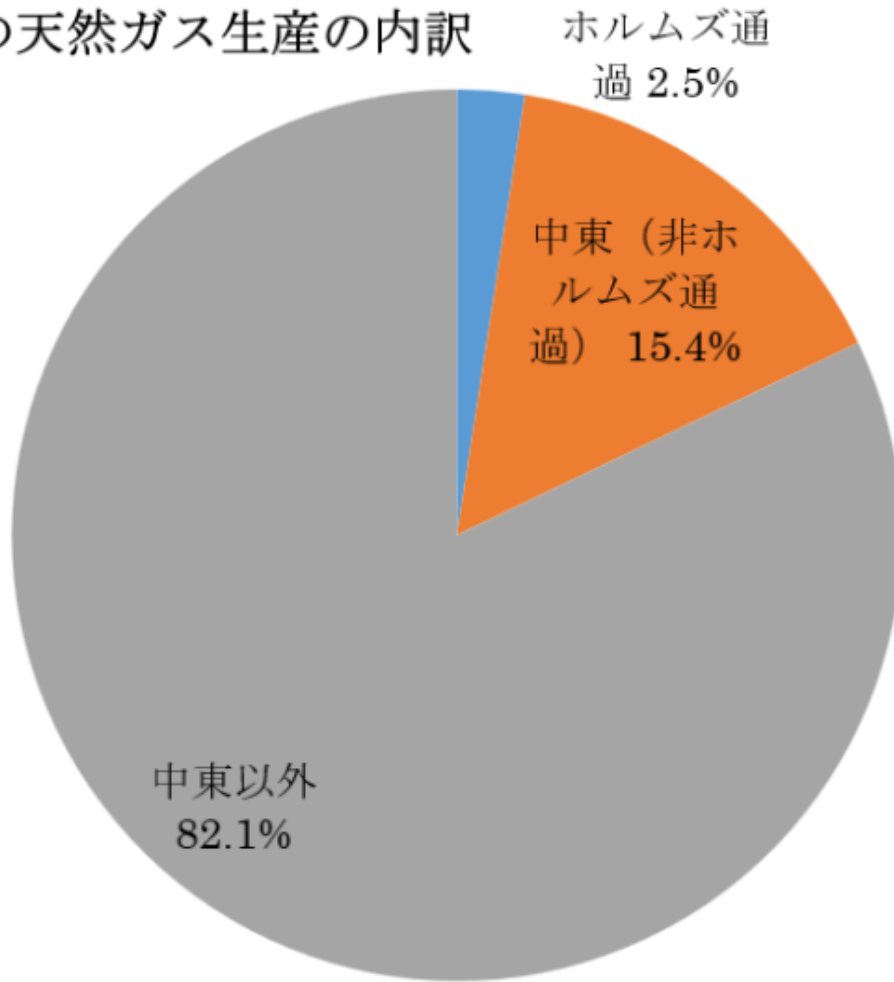
# 世界天然ガス生産シェア（2024年）



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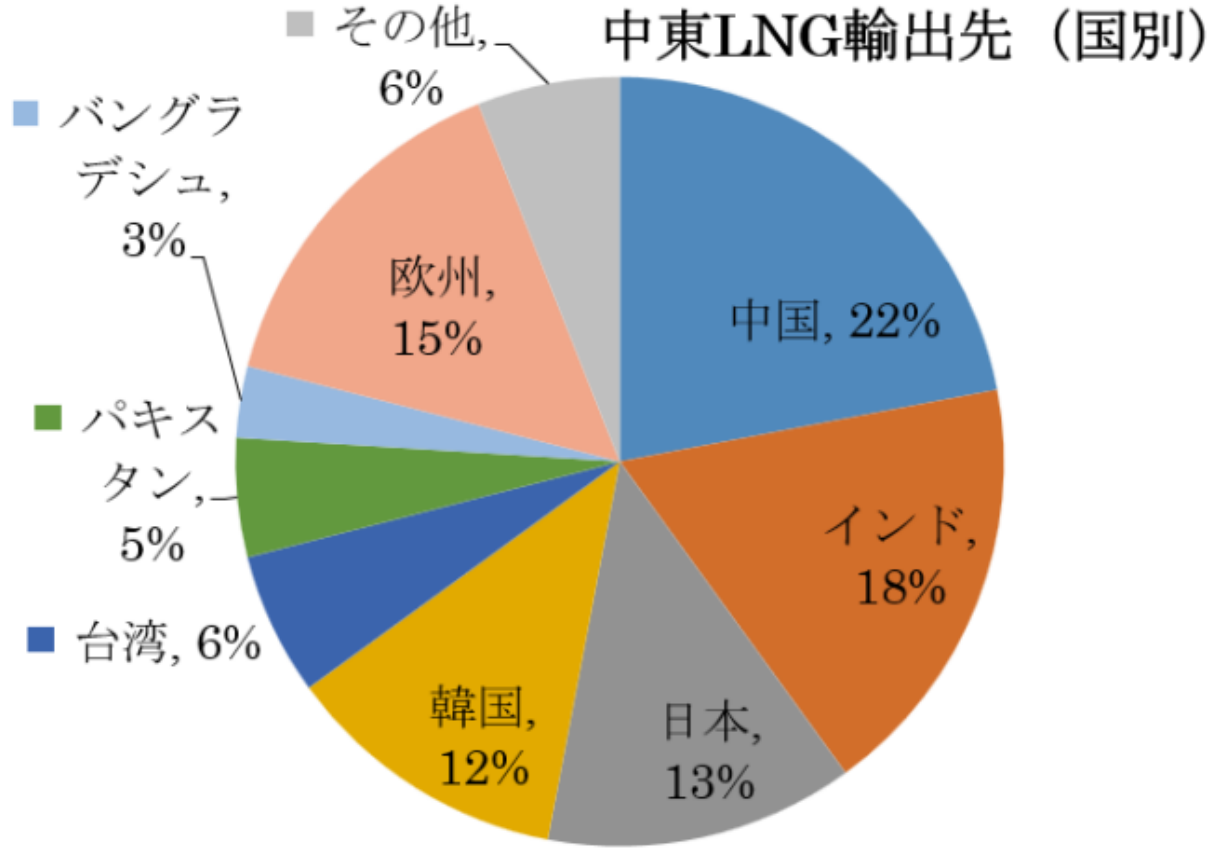
??(LNG)????????????????????????2.5% ???????4????????????????????  
????????????????????????15.4% ???

# 世界の天然ガス生産の内訳



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????LNG??LNG????  
100BCM?BCM?10??LNG?????100BCM????????????LNG?????1?????  
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国	石油			ガス			肥料		
	消費量(万b/d)	輸入依存度(%)	中東依存度(%)	消費量(bcm)	輸入依存度(%)	中東依存度(%)	消費量(MtN)	輸入依存度(%)	中東依存度(%)
日本	330	100	95	100	97	12	1.5	100	35
韓国	280	100	72	60	100	25	1.0	75	30
台湾	100	100	72	25	100	30	0.5	55	25
中国	1500	72	48	400	42	15	55.0	5	5
インド	500	87	62	60	50	50	18.0	25	40
インドネシア	160	38	25	40	10	5	6.0	10	5
マレーシア	80	22	20	40	5	5	3.0	15	5
タイ	140	88	55	50	55	25	4.0	35	20
ベトナム	50	35	22	10	15	10	3.0	25	20
フィリピン	45	100	60	5	40	20	2.0	85	35
シンガポール	130	100	45	15	100	30	1.0	100	30

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??(CmHn)????????????????(CmHn)????????????????(N)????????????????(?????b/d, bcm, ?????MtN)??????????

??MAP?DAP??

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- ?1??4??
- ?5??LNG??
- ?6??

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Posted in ??????????, ??? | No Comments »

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?? ?? · Sunday, March 29th, 2026



narvo vexar/iStock

**IPCC????????????????????????????????**

????????????????????——?????IPCC??

???2026?3??

**IPCC Primary Global Warming Metric Is “Scientifically Invalid”**

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**?0.7???/m2????????????**

????????????Jonathan

Cohler??6?????????Science of Climate Change??Vol.6, No.1, 2026????????????

IPCC??6????????AR6????????1????????????0.7 ± 0.2??/m2??

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**Argo??????????**

??????OHC????????????Argo????????????????4,000????????????????????????IPCC??????

????Argo????????????????????????

??10????????????????????????????????????  
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??IPCC????????OHC????0.7??/m2????????????????????????????

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??6??5????????????????????Clintel????????????????????Clintel????????????????????  
????????????Science of Climate Change????????????

?????????????—????????????Argo?????????????—????????????????????  
????????????Essex?McKittrick?Andresen????????????????????

????????????AI????4?xAI?Anthropic?Google?OpenAI????????????????????  
AI????????????????????

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??2050??  
PCC????????

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??/m2????????????????????

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Cohler, J. et al. (2026). "IPCC's Earth Energy Imbalance Assessment is Based on Physically Invalid Argo-Float-Based Estimates of Global Ocean Heat Content." Science of Climate Change, 6(1), 43-76. <https://doi.org/10.5281/zenodo.18936064>

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????Clintel??

Posted in ???, ????? | [No Comments »](#)

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?? ?? · Sunday, March 29th, 2026



John Scott Leigh III/iStock

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JERA?? : ???

????JERA????????????????6???9??  
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(??)

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?????????JERA?????????????26?6?1????????????????????????????????

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JERA????????????????????????????

??JERA????????????????????????????

- JERA?????????JERA Cross????????????????????????JERA×????????????????????  
????????????????????????????????????PPA????????????????????????
- ?????PPA????????????????????????????CO2????????????????????????

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

??CO2?1????????????????????????????????

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

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ESG????????????????Youtube

炭素クレジットの問題点

32/50

<b>① 甘いベースライン設定</b>	CO <sub>2</sub> 削減のためにはベースライン設定に対して <b>強制力</b> <sup>*</sup> が必要。しかし、強制力をもたせると参加する事業者がいなくなるためどうしても甘い設定にせざるを得ない。 <small>※【前年実績】【削減率(前年実績マイナス3%など)】</small>
<b>② 環境価値発生と相殺の時間差</b>	環境価値(CO <sub>2</sub> 削減)の発生は必ず「 <b>過去</b> 」である。一方で、電力の大原則は「 <b>同時同量</b> 」。環境価値の発生とオフセットの時間差を埋めることは物理的に不可能。
<b>③ 相殺前後での勘定の不一致</b>	CO <sub>2</sub> 削減量を移転したら <b>同量のCO<sub>2</sub>排出量を裏勘定として戻すべき</b> 。クレジットの原資となったメガソーラー施設や森林に対して同量のCO <sub>2</sub> 排出量を再計上しないと勘定が合わない。
<b>④ 非倫理的</b>	自分は目標を達成できなかったのに、 <b>超過達成した他者の成果を買う</b> 。つまり、人の手柄をお金で買って自分の手柄だとアピールする行為。

ESG????????????



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10/4(?)????????DAY???????????????? | URAWA RED DIAMONDS OFFICIAL WEBSITE



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Posted in ??????????, ??? | No Comments »

### ????????EU????????

?? ?? · Saturday, March 28th, 2026



khvost/iStock

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????4????????GX-ETS????????????EU?CBAM????????????????????????????????EU????EU-  
TES??

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- ?1?IISole 24 ORE:”Meroni to EU: energy costs top priority. Urso: Suspend ETS pending review” 2026-2-26
- ?2?FinancialTimes:”Italy sets up fight with Brussels over carbon costs” 2026-3-1
- ?3?EURONEWS:”Ten EU countries revolt over carbon rules threatening industry ahead of key summit” 2026-3-18
- ?4??
- ?5?[https://ec.europa.eu/commission/presscorner/detail/en/statement\\_26\\_663](https://ec.europa.eu/commission/presscorner/detail/en/statement_26_663)
- ?6?Rai1.Good Morning:”Meloni “ETS absolute paradox” 2026-3-20

Posted in ??????????, ???, ????? | No Comments »

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Posted in ??????????, ??? | No Comments »

# Apple?????ESG?????

?? ?? · Sunday, March 15th, 2026



ozgurdonmaz/iStock

????Apple??2026?1????????????????????

## Apple announces executive transitions



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2025?12?4?

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**Lisa P. Jackson**

Apple???10????????????????????????????????ESG????????????????????????????????100%?????????100%??????  
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**Apple????????????????????**



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Watch????????????2025?8??  
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**Apple Watch not a ‘CO2-neutral product,’ German court finds**



Apple Watch??CO2????????????????????????  
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Watch??CO2??  
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**Apple????????????????????**



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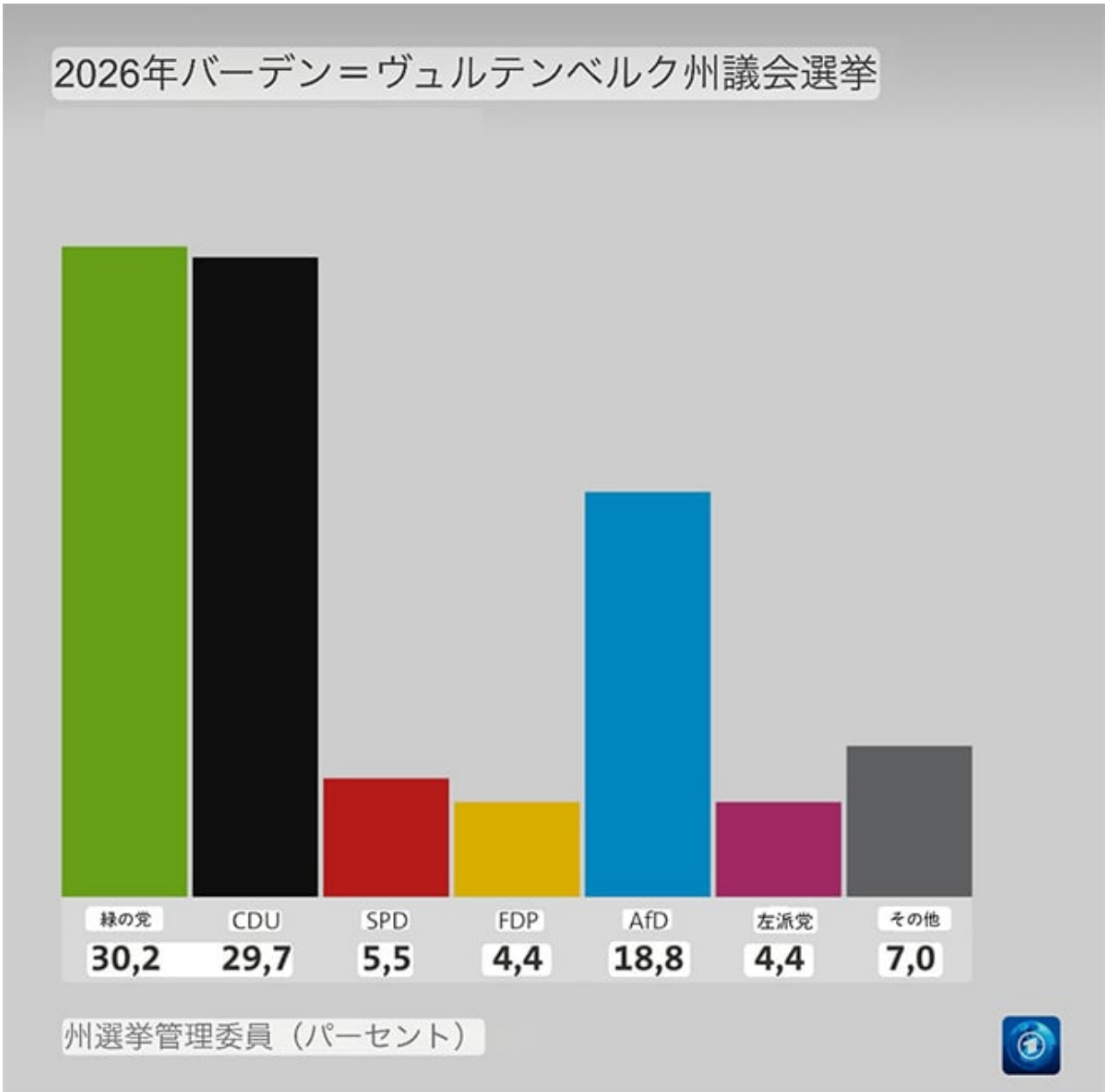






btgbtg/iStock

38????????????????????CDU??  
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Posted in ???, ?? | No Comments »

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?? ?? · Wednesday, March 11th, 2026



artisteer/iStock

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ESG

20241111 2025813

**Attorney General Paxton Secures Historic, Industry-Changing Agreement with Vanguard to Protect the Coal Industry and Empower Investors**

ESG



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c)??2,950

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Posted in ???, ????, ????? | No Comments »

### ???2030?CO2???????????????????? ???

GEPR?? · Tuesday, March 10th, 2026



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?-1????????????2021????????NDC????????2030????CO2????????????GDP??CO2????2005??  
????65%????????????

表-1 気候変動に係わる中国の主な定量目標  
更新NDC(2021年10月提出)

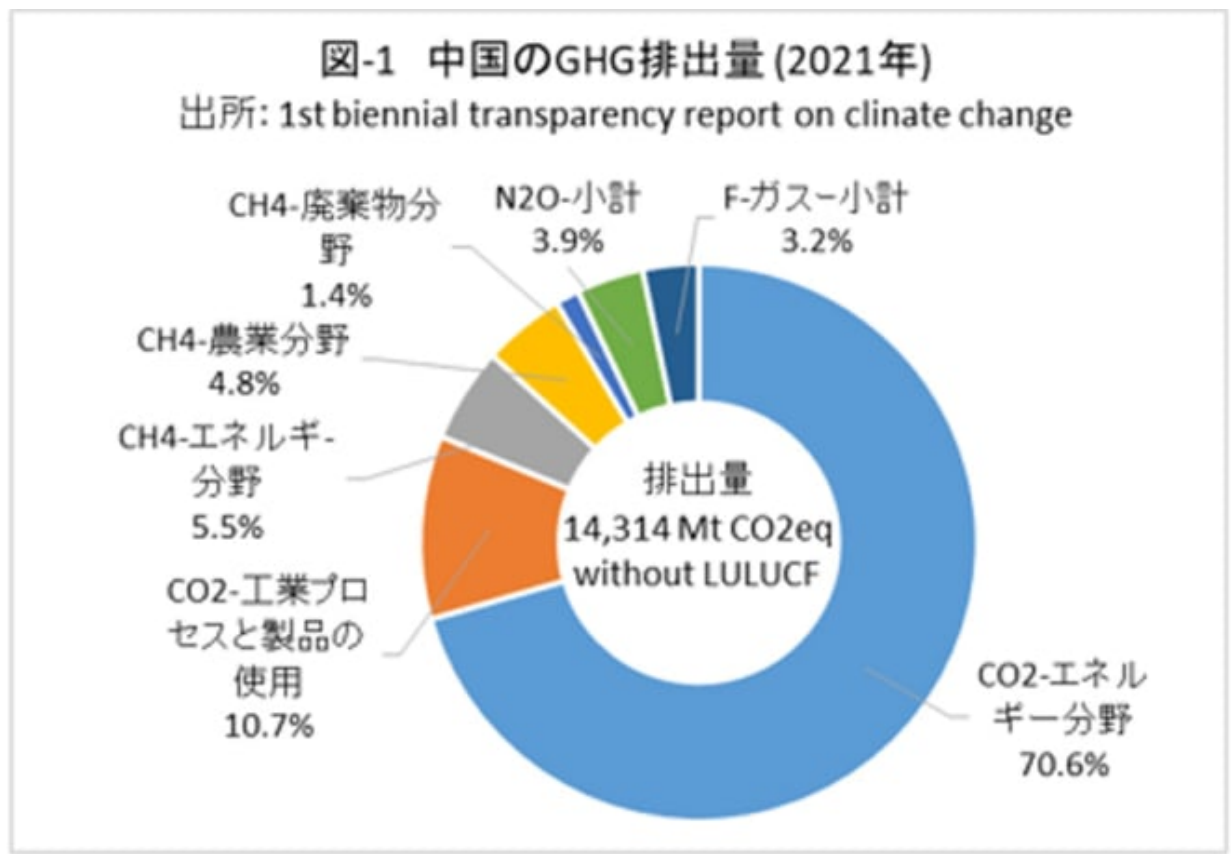
指標	目標
・CO2排出量のピーク	2030年までに達成
・カーボンニュートラル	2060年までに達成
・GDP当りCO2排出量	2030年までに、2005年レベルから65%以上削減
・一次エネルギーに占める非化石燃料割合	2030年までに、約25%に増加
・森林ストック量(forest stock volume)	2030年までに、2005年レベルに比べ60億m3増加
・風力と太陽光発電の総設置容量	2030年までに、12億kW以上

GHG?CO2?????

????????GHG??CO2????????-1?-2?2021????????????? "First Biennial  
Transparency Report on Climate Change?December 2024?" ??????????

?-1?GHG?CO2?CH4?N2O?F-  
????????CO2????CO2eq????????LULUCF????CO2????G  
HG????81%????

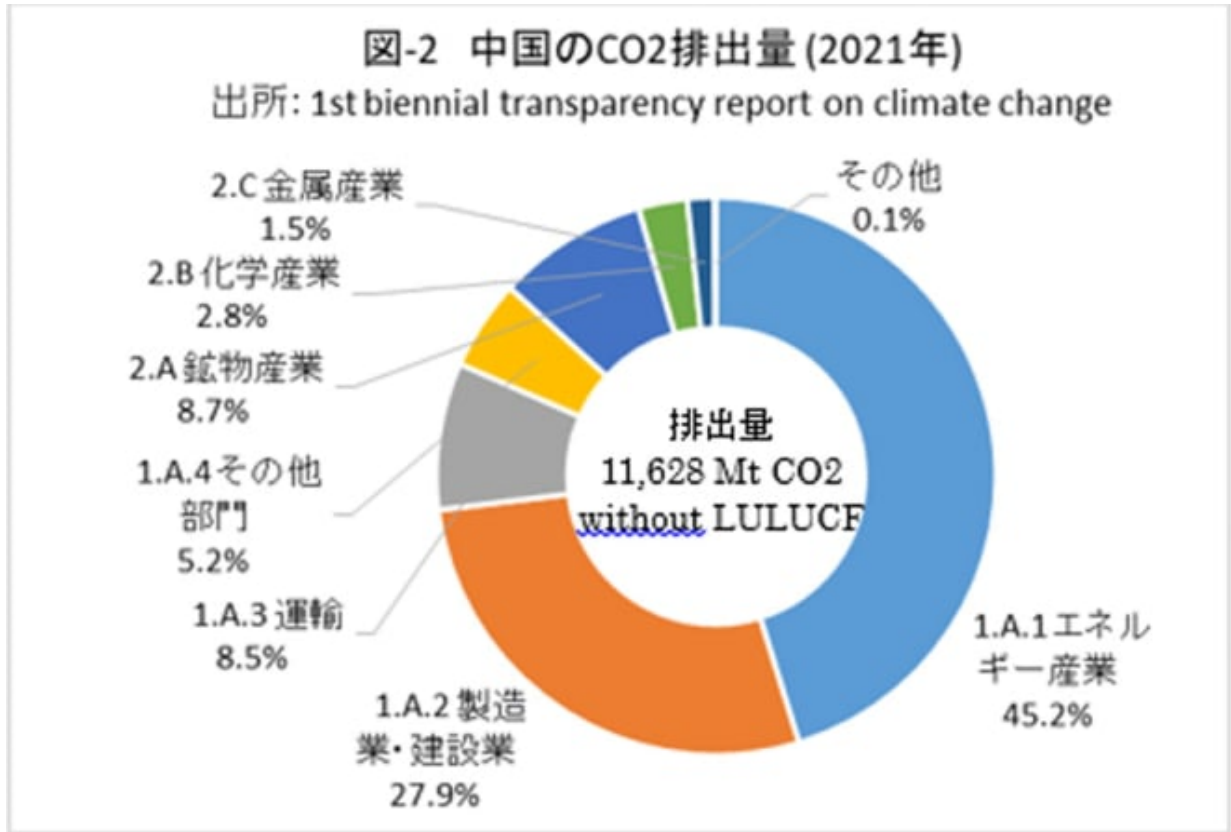
LULUCF????1,315 MtCO2eq????CO2????



?-2??CO2????????????1.A.1????UNFCCC??GHG????

????1.A.1?1.A.4?1.A ?????2.A?2.C?2.????????????????????IPPU????????

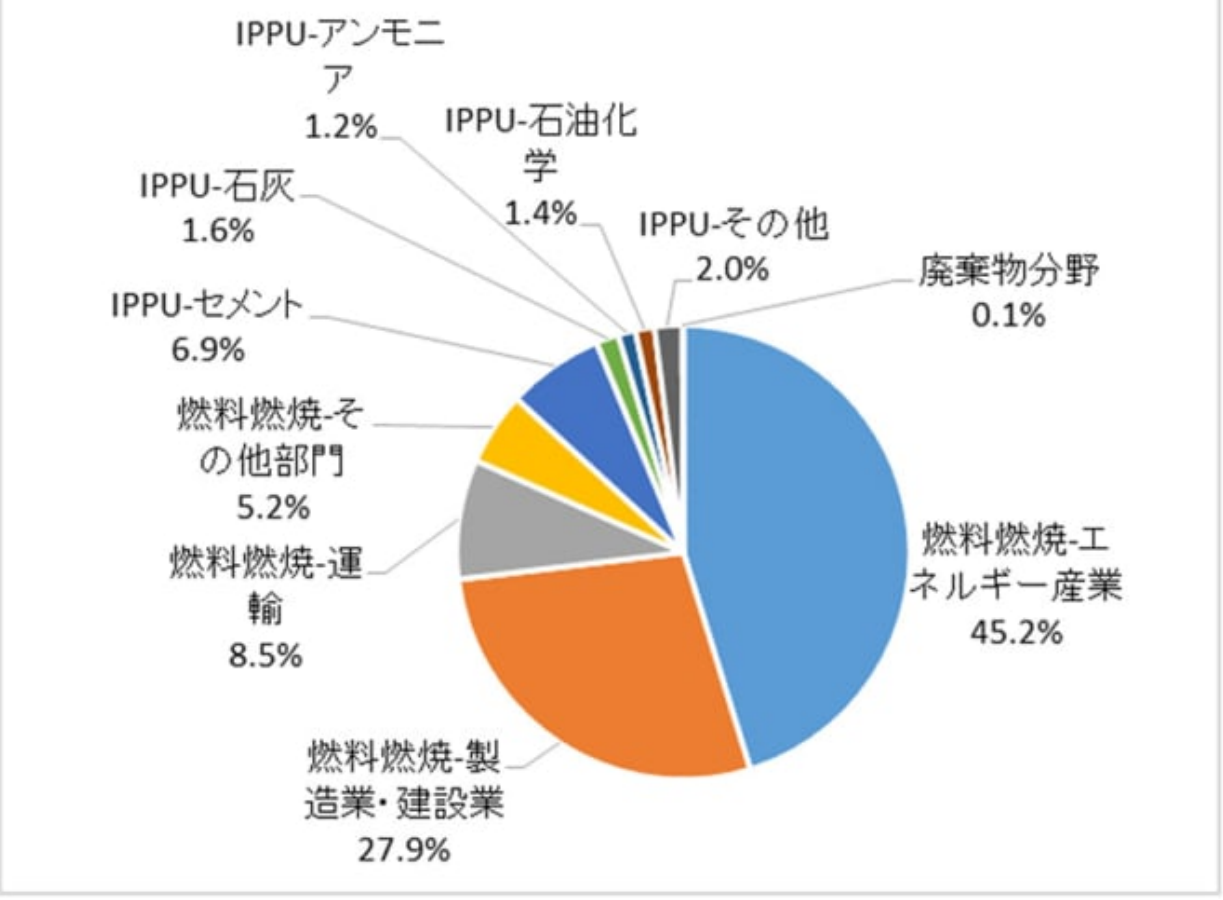
????CO2??CO2??????87%????????



?-3???-2????IPPU??CO2??????6.9%??????  
1.6%??????1.4%??????????1.2%????????????????????

### 図-3 中国のCO2排出量(2021年)

出所: 1st biennial transparency report on climate change

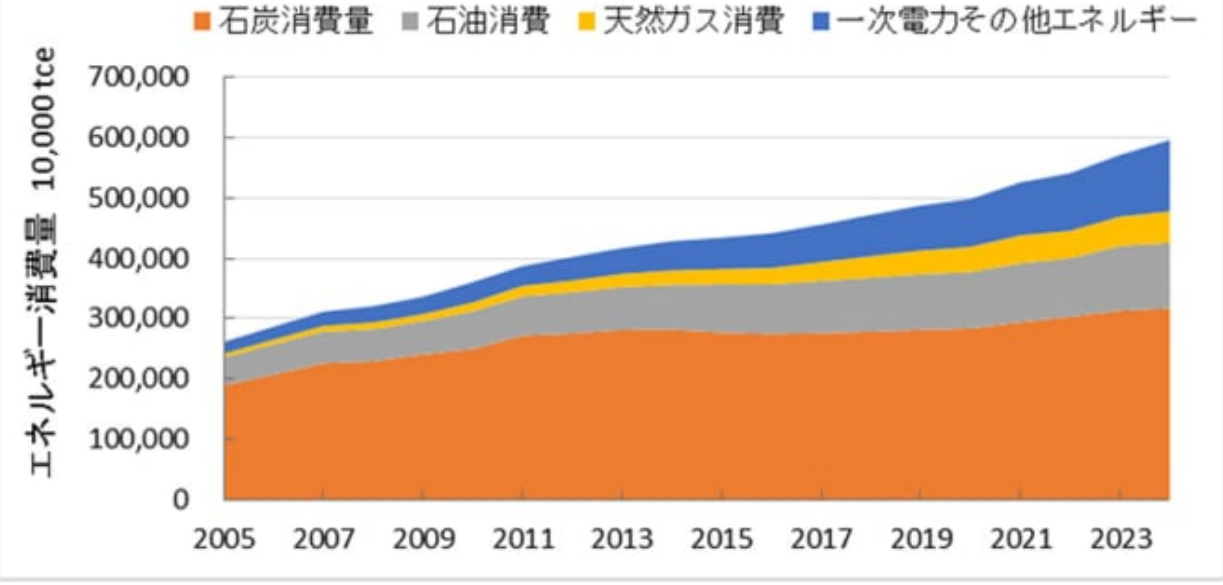


????????????????CO2????CO2??CO2????????????????  
 ?????????????????CO2??IPPU??CO2????????????

?-4????????????GHG?CO2????????LULUCF????????????????????2005????GHG????????  
 ?2005????2021????????LULUCF????????GHG??1.7??CO2??1.8???



図-5 中国のエネルギー消費量の推移  
出所: 中国国家统计局 annual data



IAEA TES

tce 1 tce = 7 Gcal

2022 Gross 42.8%

2%

2024 53% 66%

CO2

CO2 CCS

2030

CCS 2030

CO2

40%

????????87% ?????CO2?12% ?????IPPU?CO2?0.1% ?????CO2?LU LUCF??CO2?????

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

????CO2????LULUCF??CO2????

**????CO2???**

????2005??CO2????

2015??2024????CO2????

????IEA????

????CO2????1?5%????

CO2????GHG????2006 IPCC????1????

2025?2026??GDP??IMF?2025?7????2026??4.2%??2030??3.4%????2030??

2025????

*China Energy Transformation Program (CET), Summary of China’s energy and power sector statistics in 2024*

2026????CO2????CO2????

????2030????

????CWEA????CPIA????2030??CO2????

????2024????8.8%??2016????2016-2030????15%????

????IEA??Oil 2025??2028????

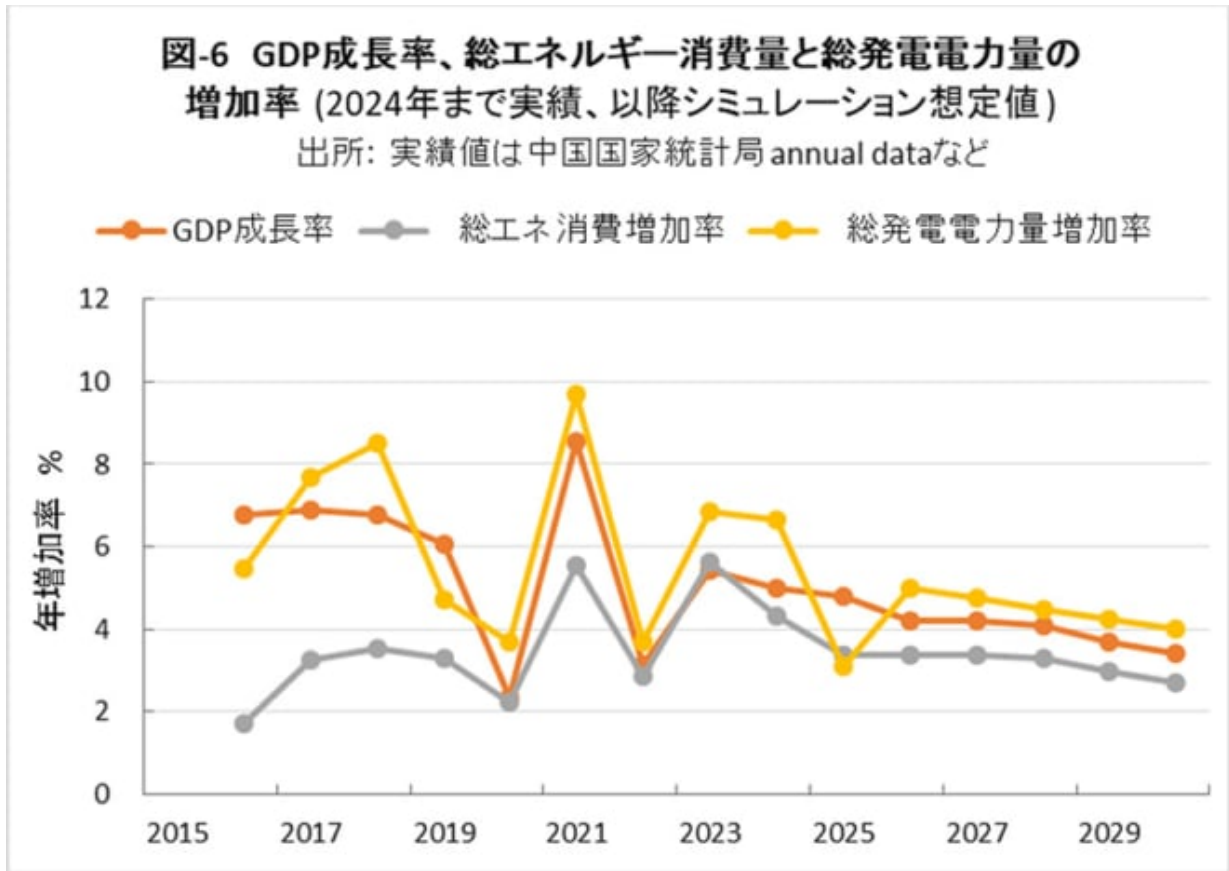
????4%?2%????

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CO2 2024 CO2

CO2 GDP -6% GDP 2024



GDP

GDP  $\times 0.8$  2025 2030 3.2%

GDP  $\times 0.7 \times 0.9$

### IPPU??CO2??

IPPU??CO2??-3??5??

IPPU??CO2??13%??2020??2021??CO2??

?-7??2015??100??2025??



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?? ?? · Sunday, March 8th, 2026



COMiCZ/iStock

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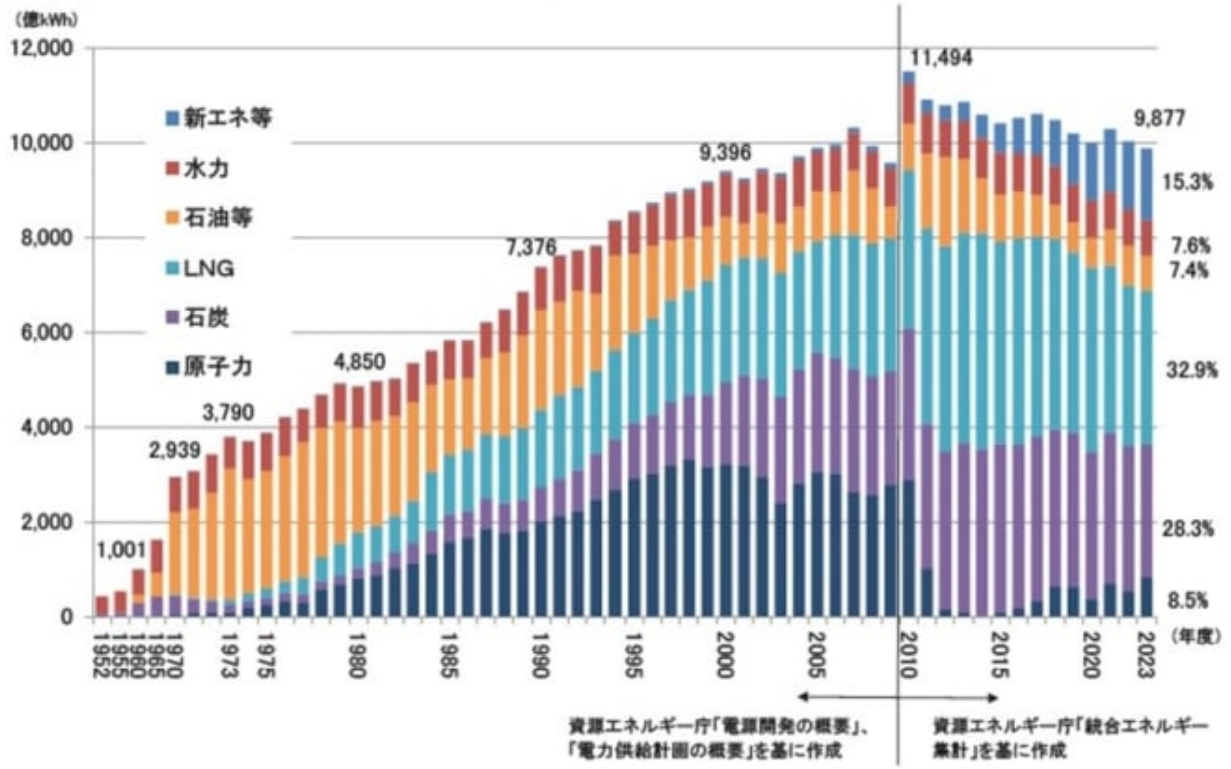
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2024??????????34.8%??????LNG?20.8%?????24.4%????????



### 【第14-1-6】発電電力量の推移



(注1) 2009年度以前のデータは旧一般電気事業者10社による発電が対象。ただし、1971年度以前のデータには沖縄電力が含まれていない。

(注2) 2010年度以降のデータは自家発電を含む全ての発電が対象。

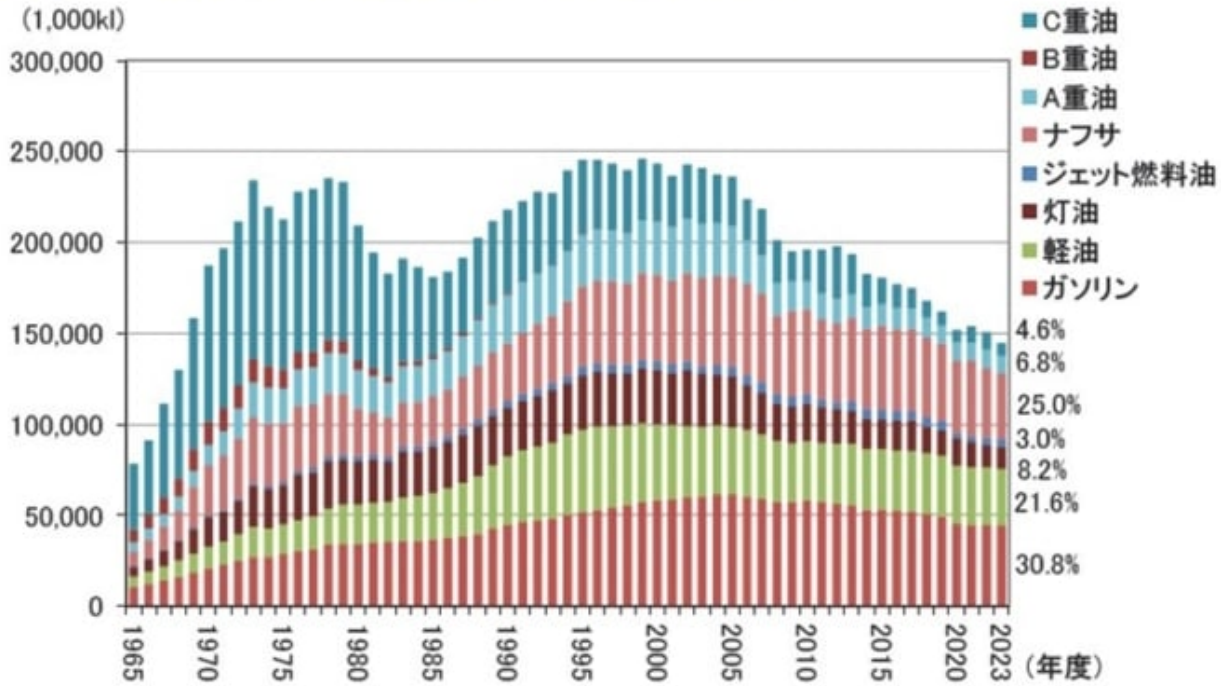
2025年6月

95.1% 11.0%

7.4% 32.9% 11% 3.6% 7.4% + 3.6% = 11.0% 11%

4%

### 【第14-4-1】燃料油販売量の推移(油種別)

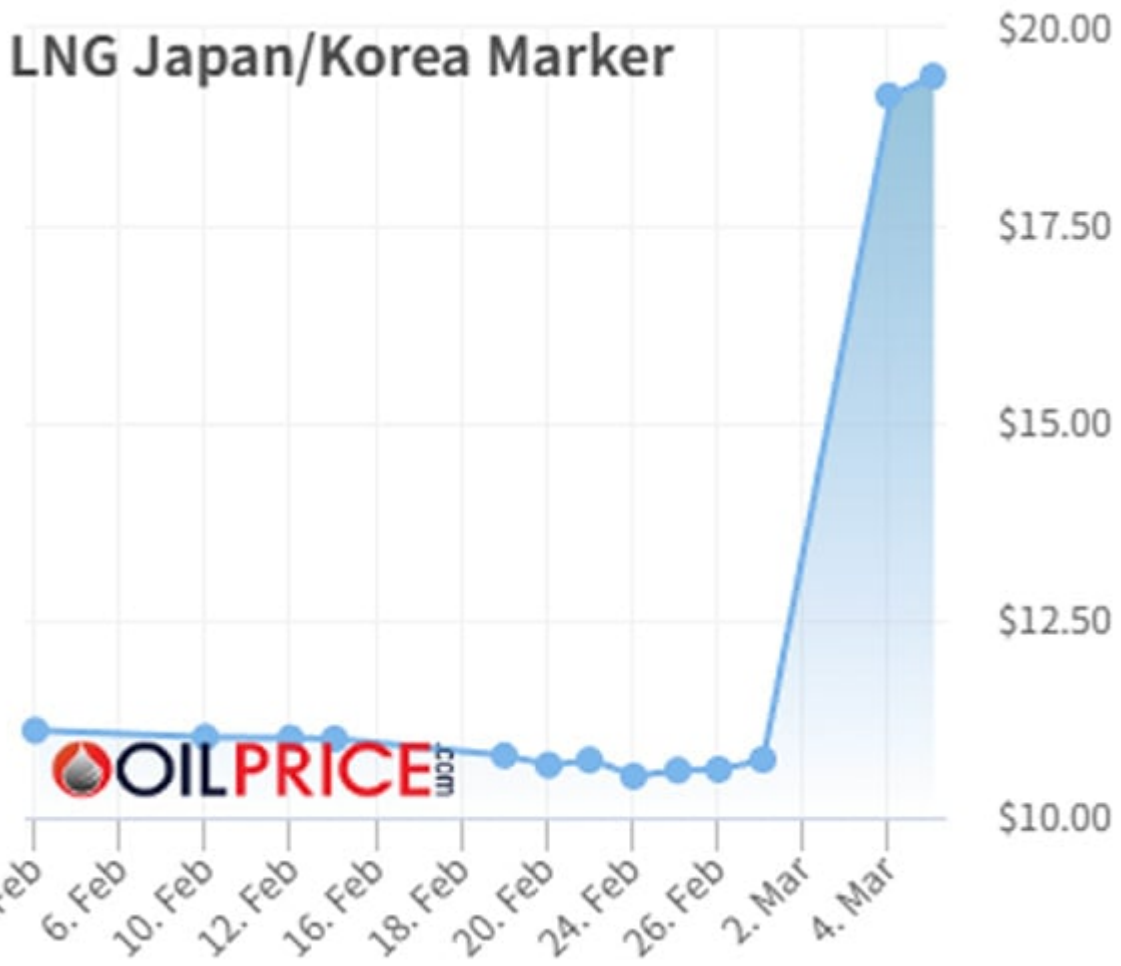


(注) 2002年1月よりB重油はC重油に含まれている。

2025年6月

燃料油販売量の推移(油種別)のグラフを参照してください。

燃料油販売量の推移(油種別)のグラフを参照してください。LNG(JKM)の推移も参照してください。



?5 OILPRICE.com??

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Yanleth Rivera/iStock

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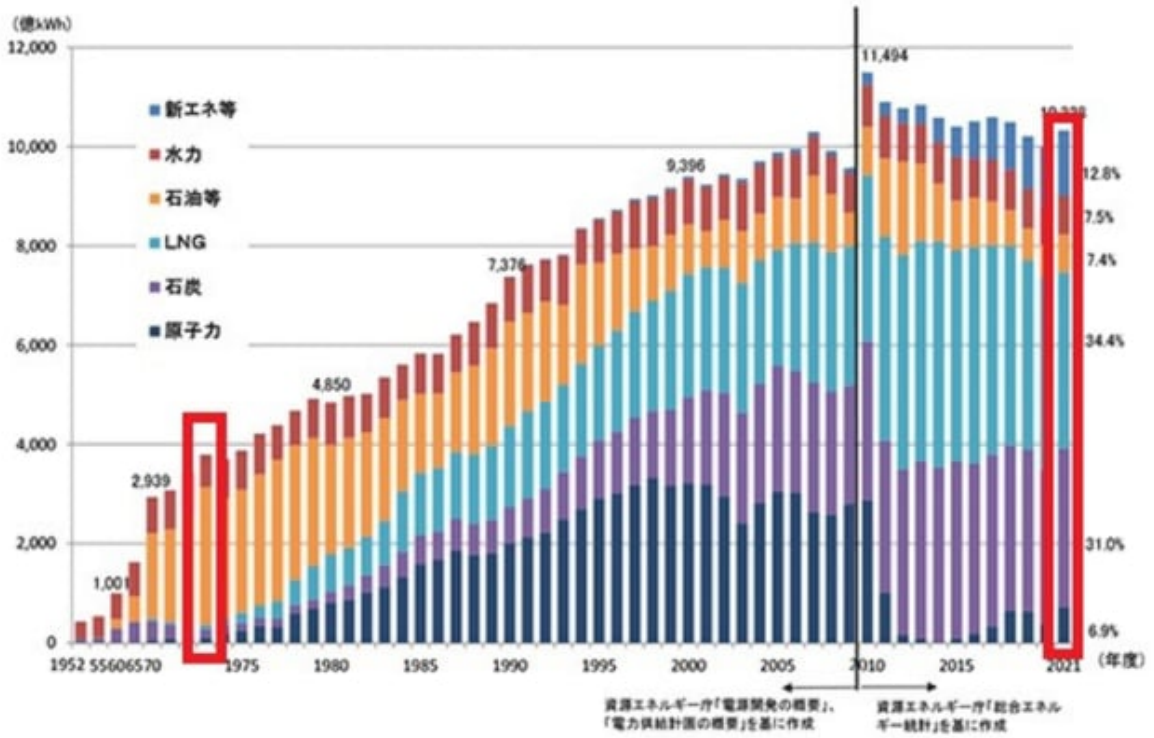
??LNG????????????????????????????????????  
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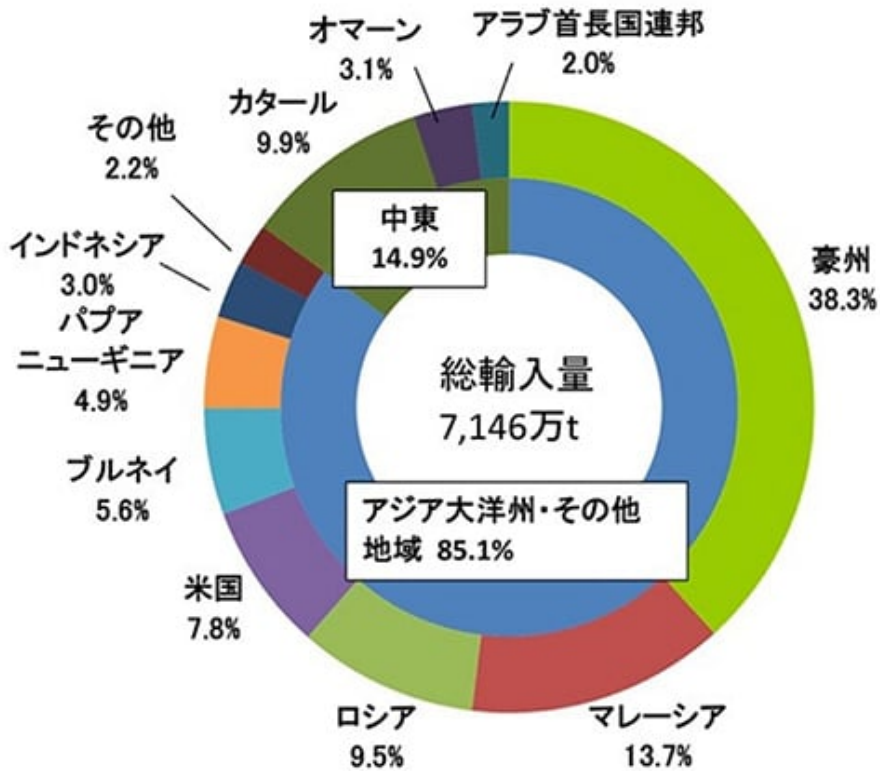
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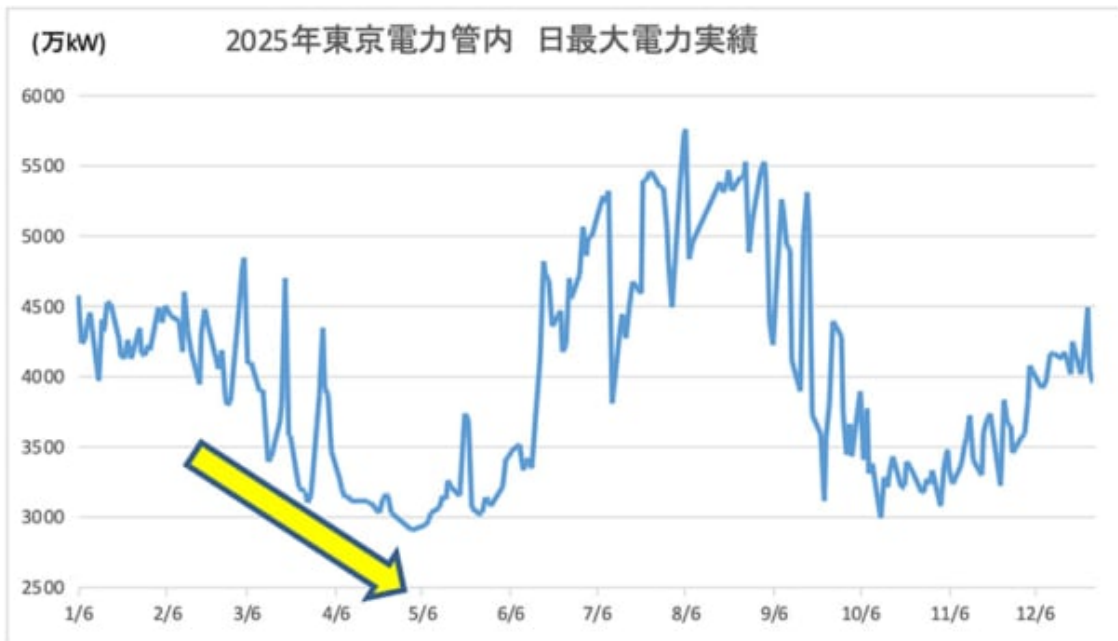
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Posted in ??????????, ?? | [No Comments »](#)

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?? ?? · Monday, March 2nd, 2026



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Posted in ??????????, ??? | No Comments »

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?? ? · Monday, March 2nd, 2026



Andrew Linscott/iStock

??2?18-19????????IEA??IEA??????????<sup>12</sup>????IEA?????

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IEA World Energy Outlook 2025 STEPS Stated Scenario 2050 Net Zero Emissions Current Policy Scenario STEPS Net Zero Emissions

IEA World Energy Outlook 2025 STEPS Stated Scenario 2050 Net Zero Emissions Current Policy Scenario STEPS Net Zero Emissions

IEA World Energy Outlook 2025 STEPS Stated Scenario 2050 Net Zero Emissions Current Policy Scenario STEPS Net Zero Emissions

IEA World Energy Outlook 2025 STEPS Stated Scenario 2050 Net Zero Emissions Current Policy Scenario STEPS Net Zero Emissions

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IEA World Energy Outlook 2025 STEPS Stated Scenario 2050 Net Zero Emissions Current Policy Scenario STEPS Net Zero Emissions

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- 1?2026 IEA Ministerial Declaration Supporting the IEA’s Work on Critical Minerals Security – News – IEA
- 2?Joint Statement in Support of the IEA-Ukraine Collaboration Programme – News – IEA
- 3?2026 IEA Ministerial Chair’s Summary

Posted in [IEA](#), [World](#), [Energy](#) | No Comments »

## IEA World Energy Outlook 2025 STEPS Stated Scenario 2050 Net Zero Emissions Current Policy Scenario STEPS Net Zero Emissions

?? ?? · Saturday, February 28th, 2026

IEA World Energy Outlook 2025 STEPS Stated Scenario 2050 Net Zero Emissions Current Policy Scenario STEPS Net Zero Emissions

IEA World Energy Outlook 2025 STEPS Stated Scenario 2050 Net Zero Emissions Current Policy Scenario STEPS Net Zero Emissions

- [IEA World Energy Outlook 2025 STEPS Stated Scenario 2050 Net Zero Emissions Current Policy Scenario STEPS Net Zero Emissions](#)
- [IEA World Energy Outlook 2025 STEPS Stated Scenario 2050 Net Zero Emissions Current Policy Scenario STEPS Net Zero Emissions](#)

IEA World Energy Outlook 2025 STEPS Stated Scenario 2050 Net Zero Emissions Current Policy Scenario STEPS Net Zero Emissions

## IEA World Energy Outlook 2025 STEPS Stated Scenario 2050 Net Zero Emissions Current Policy Scenario STEPS Net Zero Emissions

IEA World Energy Outlook 2025 STEPS Stated Scenario 2050 Net Zero Emissions Current Policy Scenario STEPS Net Zero Emissions



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?? ?? · Thursday, February 26th, 2026



ipopba/iStock

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**Global elites who cling to green policies are clueless how to sustain life as we know it –  
America Out Loud News**

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?? ?? · Monday, February 16th, 2026

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Cimmerian/iStock

Climate Realism  
MBA

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### Climate Change and Energy: World Leaders in Turmoil – Master Resource

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- IEA 2021

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Climatism????????????????????

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?? ?? ? - Saturday, February 14th, 2026



nisara Tangtrakul/iStock

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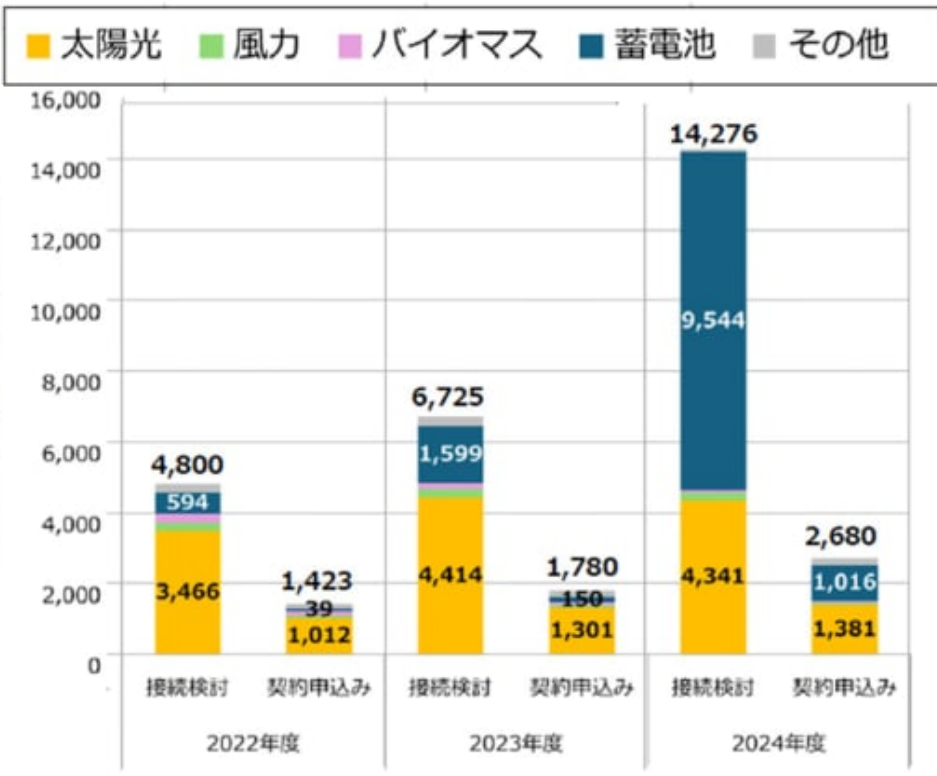
MikeMareen/iStock

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全国の電源種別の  
接続検討受付数(件)  
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2025年5月15日(金) 16:30

送電線(空き容量30)

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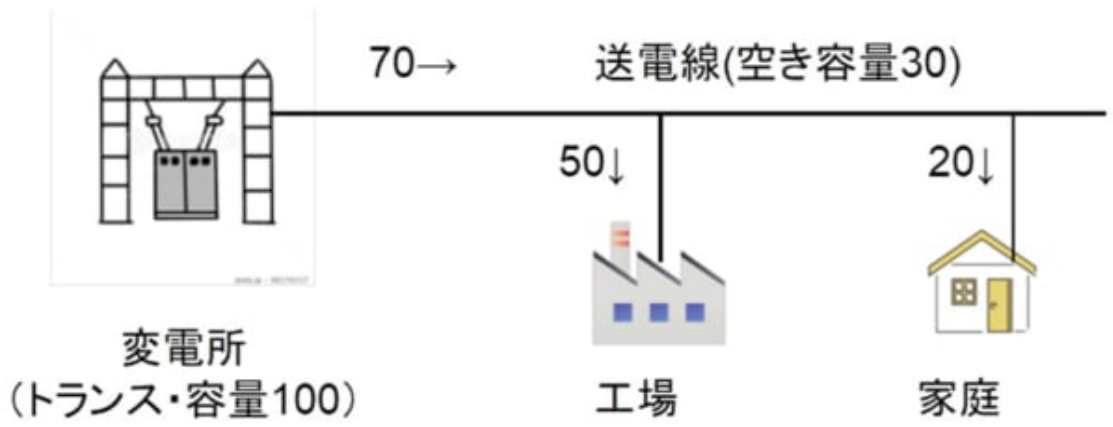
送電線(空き容量30)

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送電線(空き容量30)



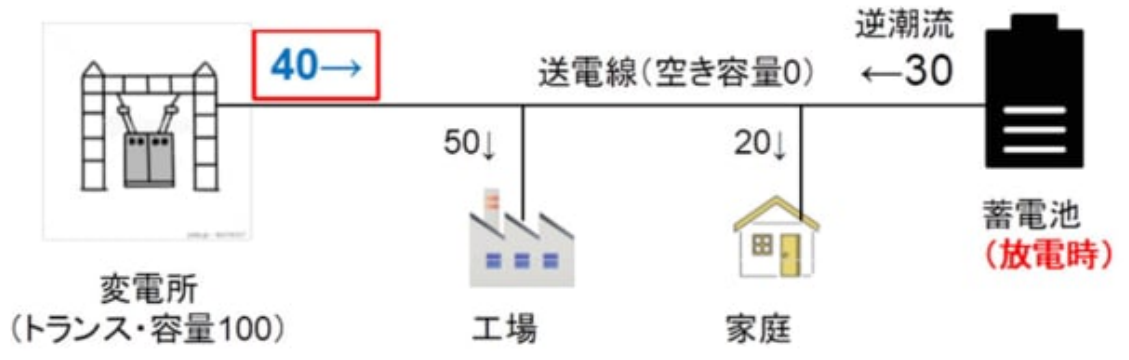
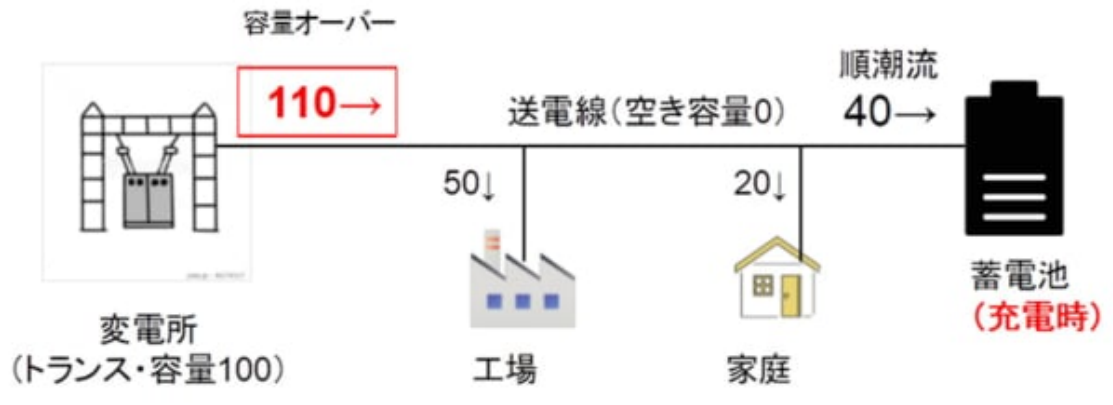
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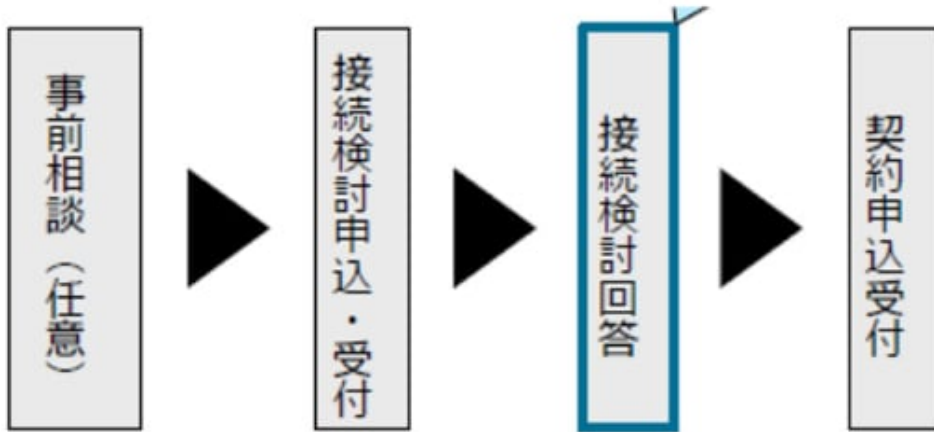
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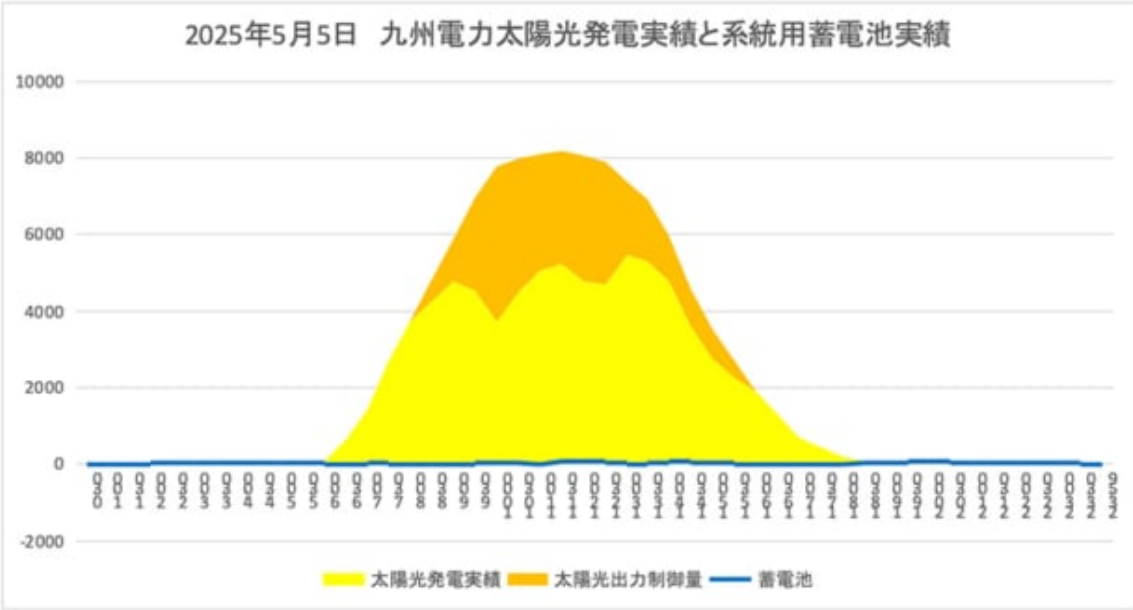
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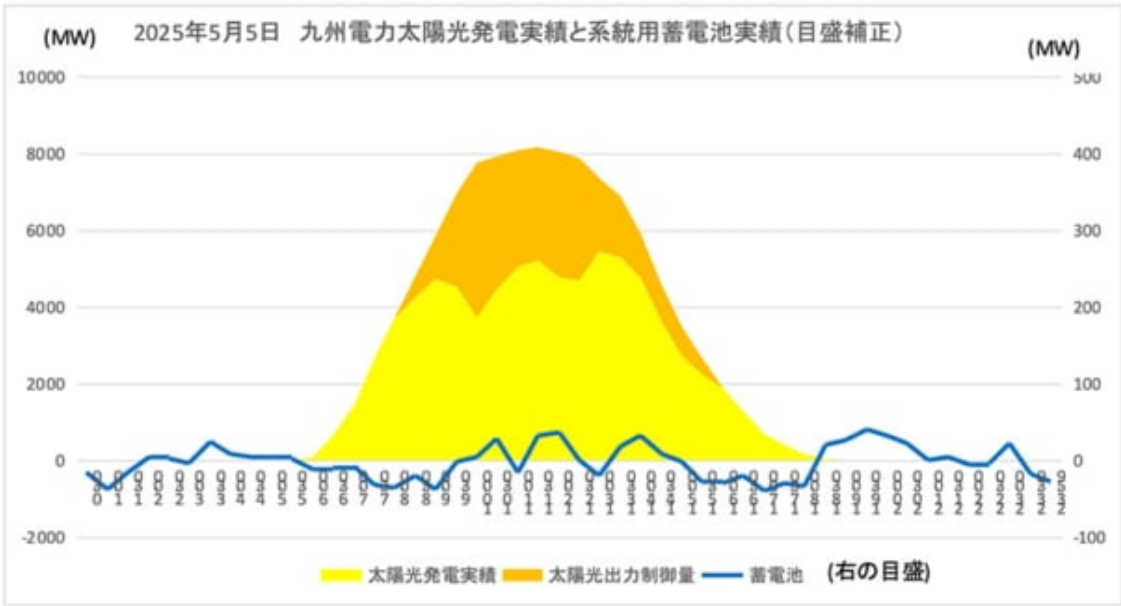
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