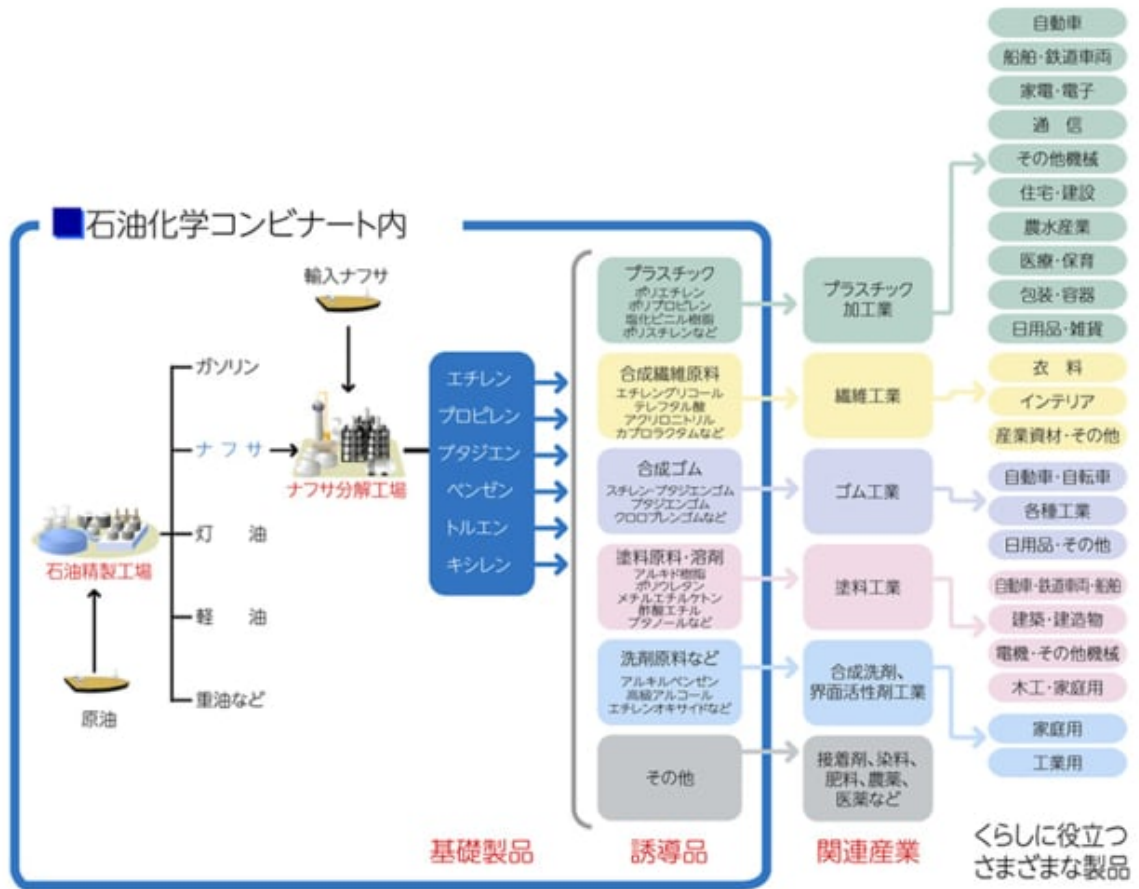


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??6000????????????????
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??TPS????????????????????????????????

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

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?? ??? · Saturday, April 4th, 2026



vencavolrab/iStock

2012??2019??
 ???2025??

??????31??3????????????????????
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CO2??
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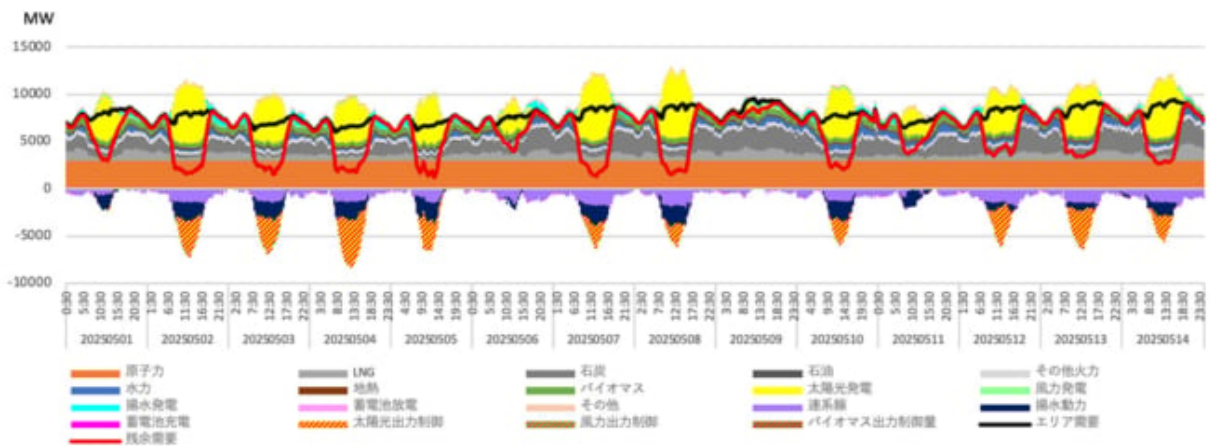
- ①火力(石油、ガス、石炭)の出力制御、揚水・蓄電池の活用
 - ②他地域への送電 (連系線)
 - ③バイオマスの出力制御
 - ④太陽光、風力の出力制御
 - ⑤長期固定電源※ (水力、原子力、地熱) の出力制御
- ※出力制御が技術的に困難

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

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

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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????

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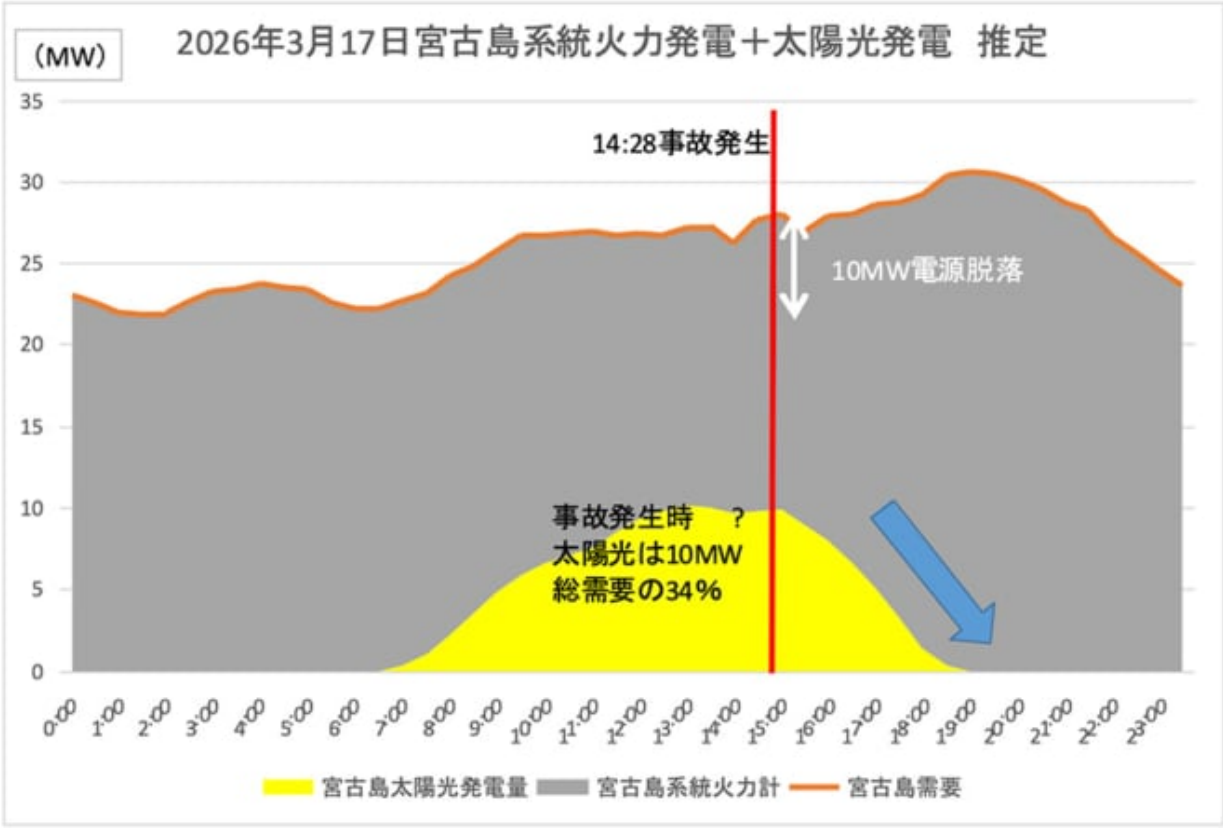
A. ???

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

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

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??????14:28??3????????10MW??20??
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PCS????????58.5Hz??

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????PCS????????58.5Hz????????????
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Posted in ??????????, ??, ?????????? | No Comments »

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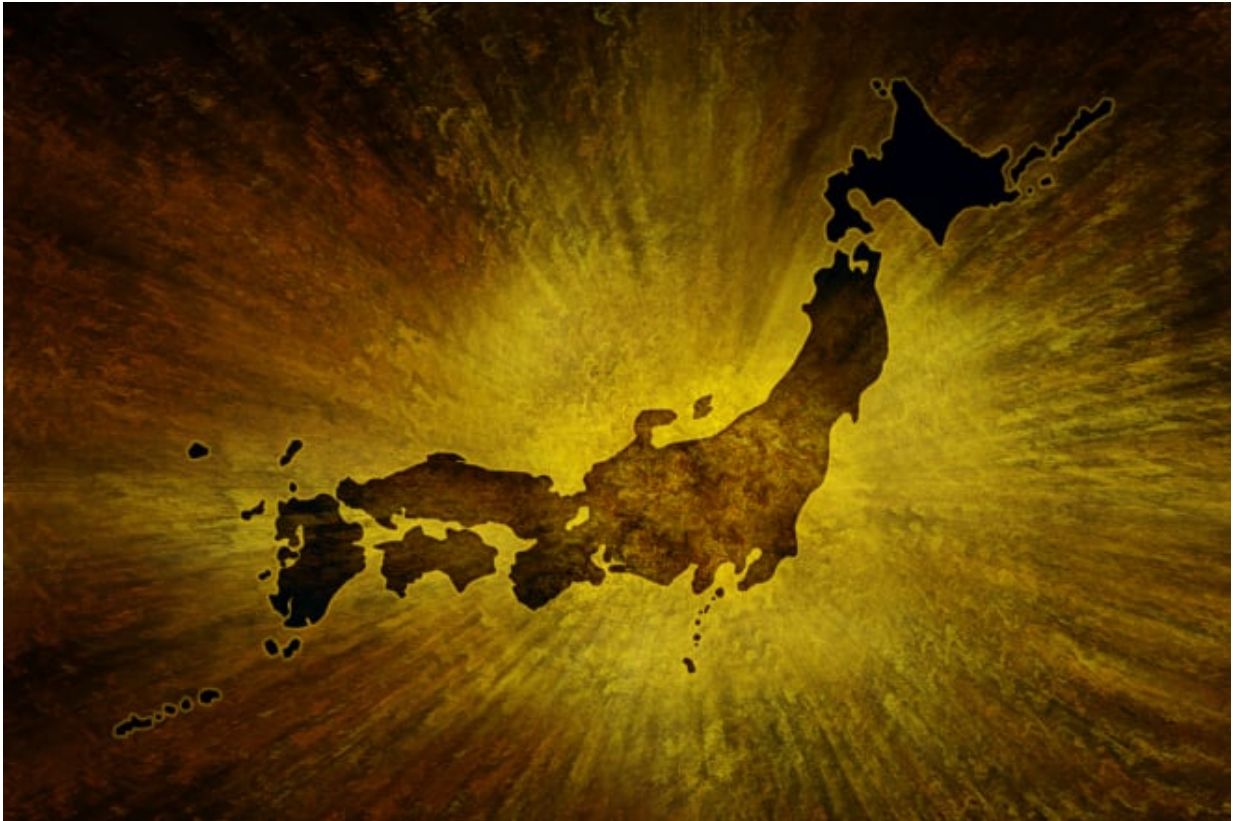
?? ? · Tuesday, March 31st, 2026

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

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?1????????????LNG????????????????????JOGMEC????????????????????LNG????????????
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?2??LNG????????????????????????????????
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ETS??

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

2. ?????????????????

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LNG????????

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

????LNG??
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3. ????????????

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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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??30??6????????88????????
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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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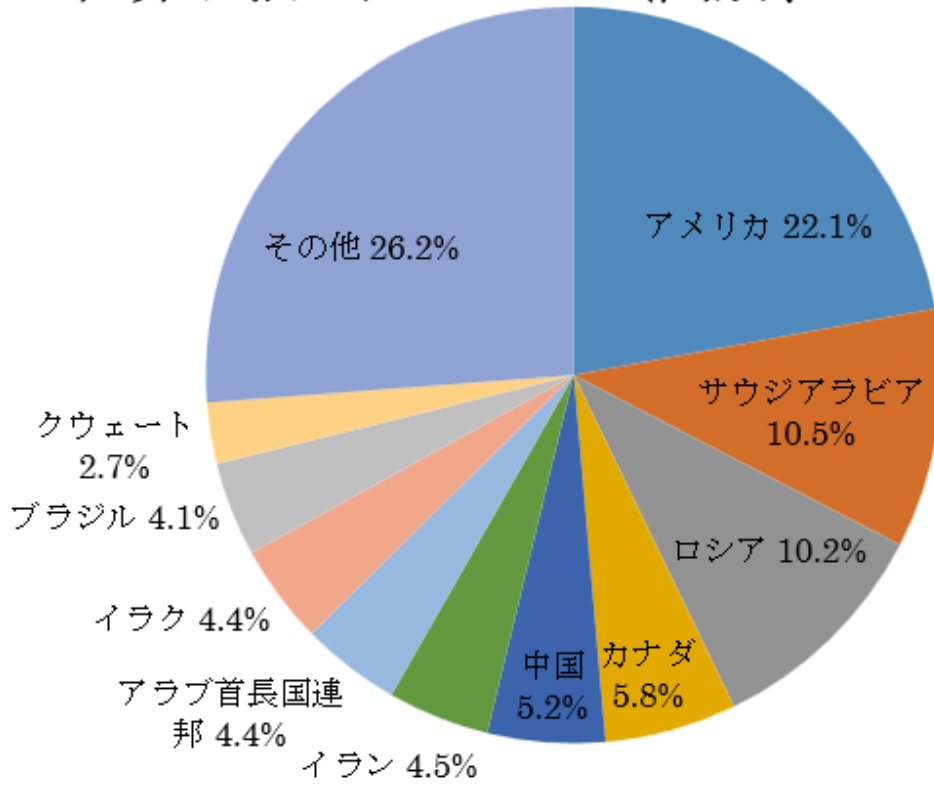
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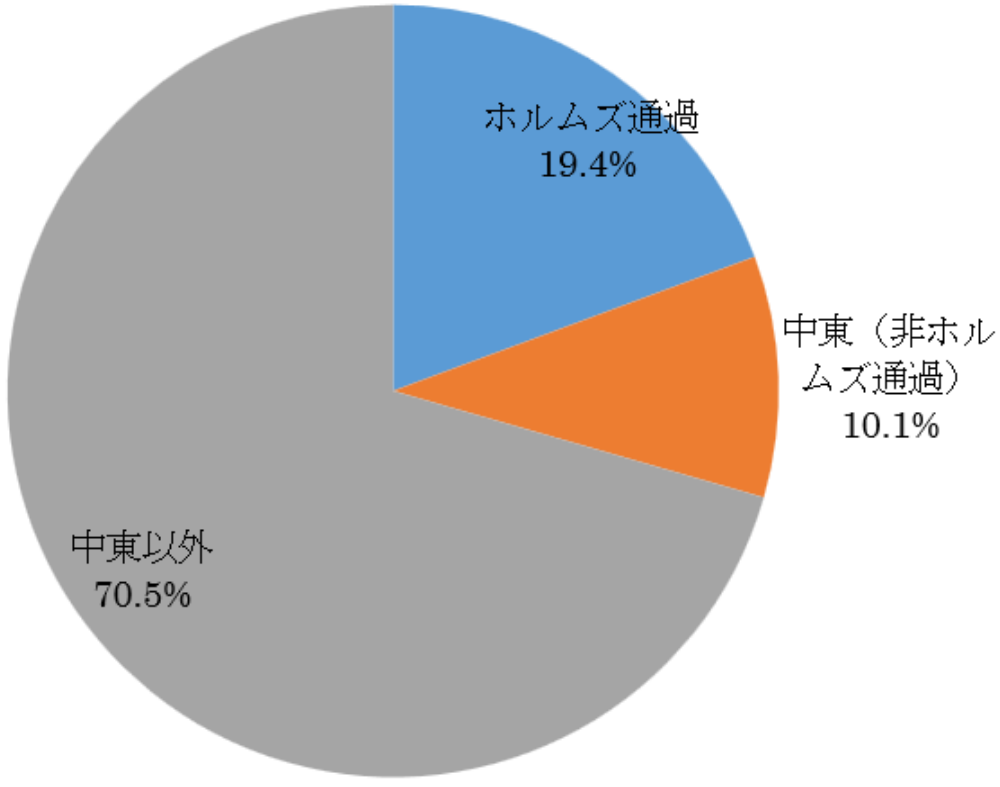
世界石油生産シェア（国別、2024年）



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??2??

世界の石油生産内訳



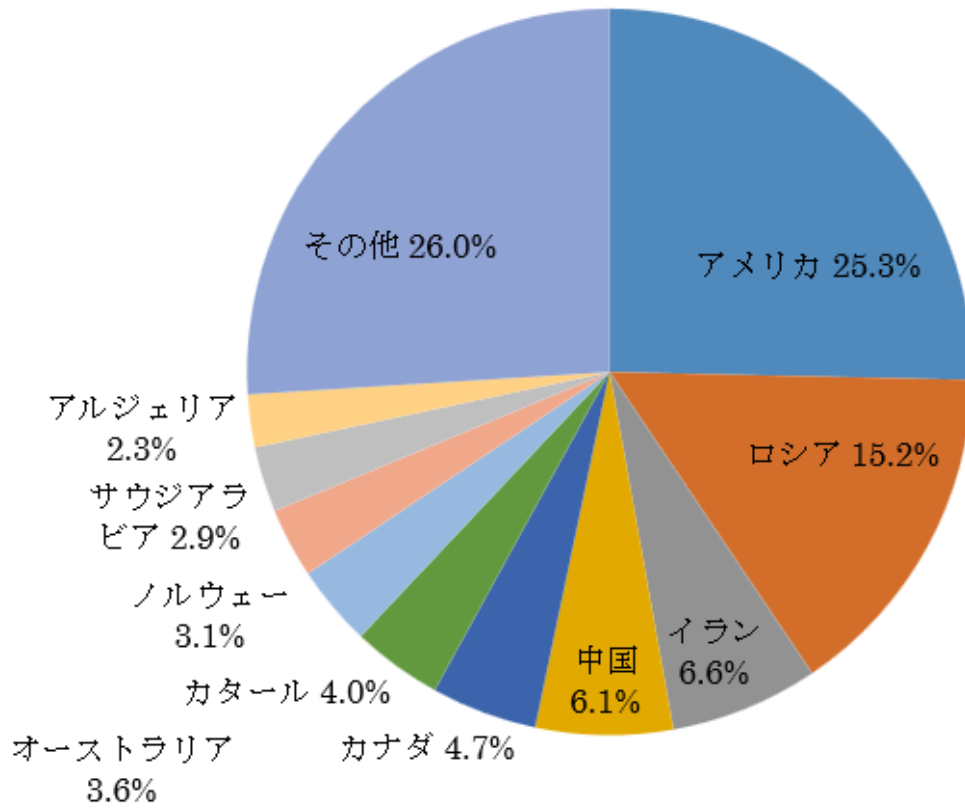
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????????????????20% ???10% ???
????????????????????

??20% ???
??30% ?????????????????????????????

??3??

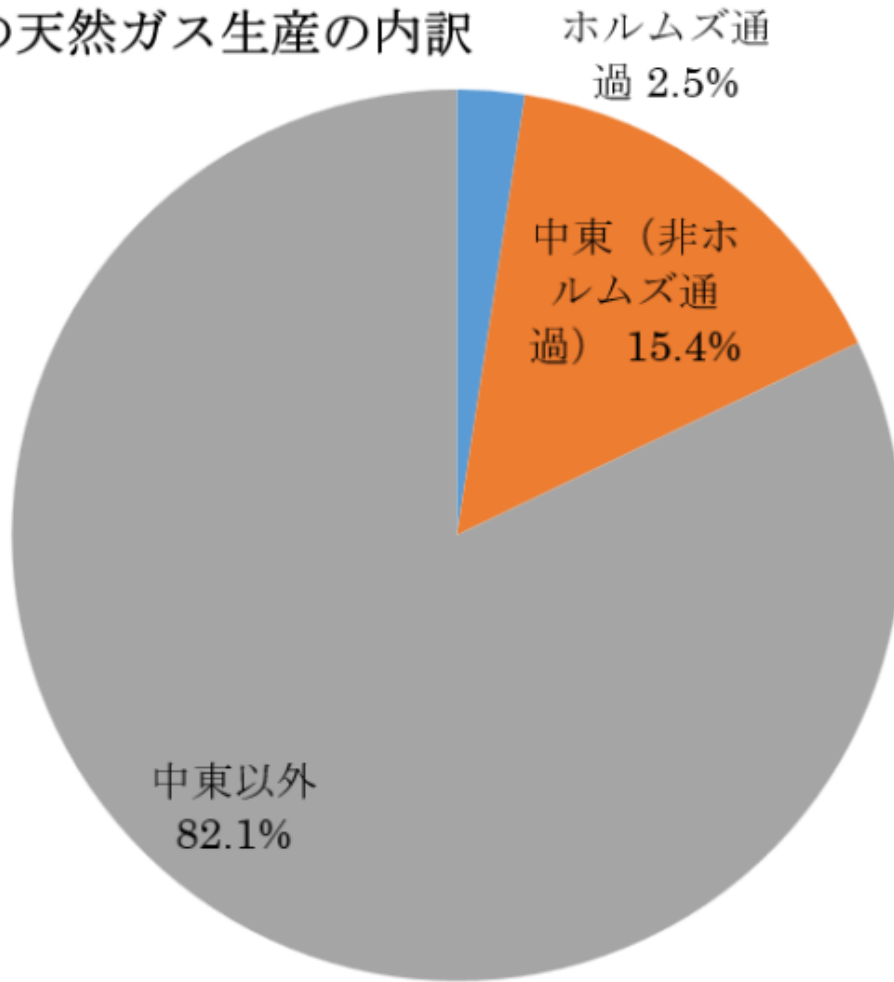
世界天然ガス生産シェア（2024年）



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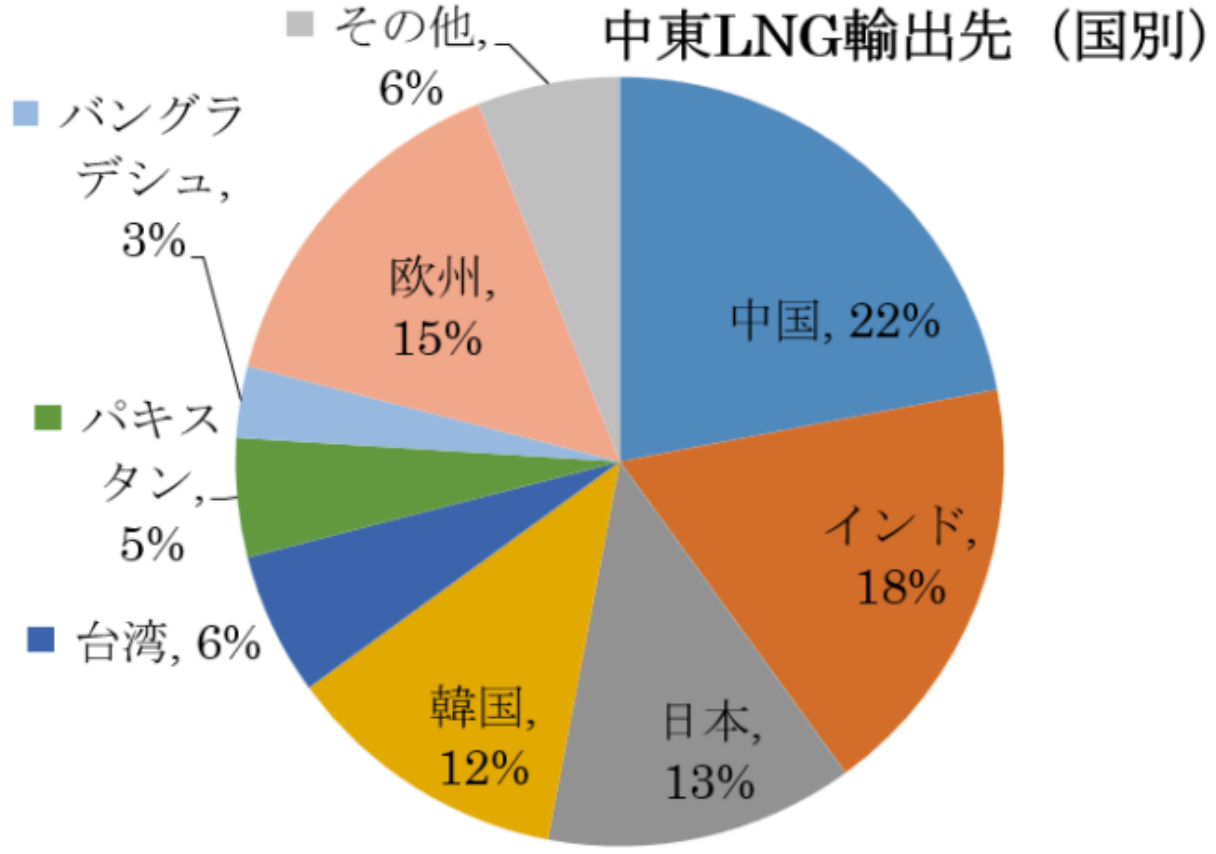
??(LNG)????????????????????????2.5% ???????4????????????????????
????????????????????????15.4% ???

世界の天然ガス生産の内訳



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????LNG??LNG????
100BCM?BCM?10??LNG?????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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??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????????????????????????????????

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???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??

????????????????????????????????????IPCC????10????????????????????????????????

Argo??????????

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

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

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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????????

??0.7
??/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>

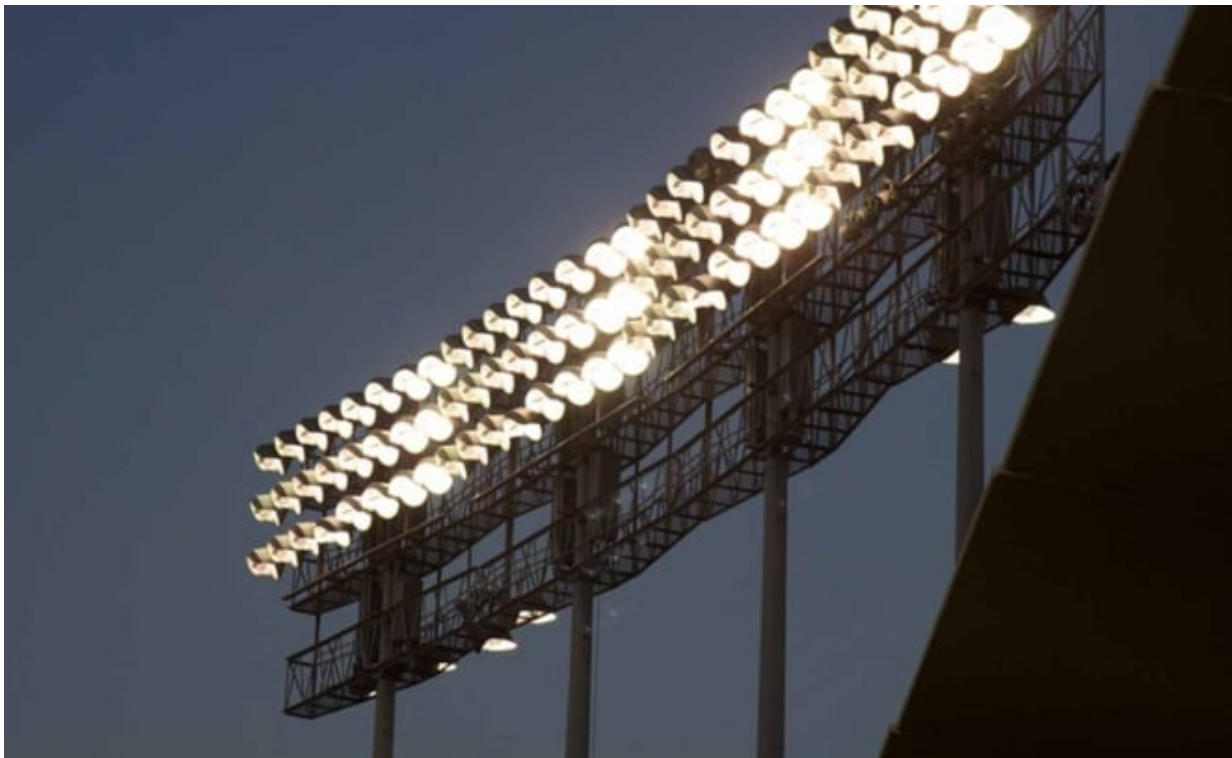
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????Clintel??

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



10?4?(?)????????MATCH PARTNER
DHL?(17:00??(CO2???)????????????
??CO2????????????????????????????????????

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LIXIL | LIXIL × SDGs NEXT STAGE | ?????? | J????????????????????500t?CO????????????



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?10/4(?)?????LIXIL Presents?GREEN COURT OPENING GAME???? | ?????????



??CO??LIXIL????????????????J-
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ap bank fes '25 at TOKYO DOME???????????????????????????? – ???????



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CO2????????14%????????????

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'25????????????????????

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RE100????????????????????????1,017????CO2????????????????CO2????????????????
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RE100??88,000????????????
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UEFA????????2021????????????????????2040????????????????????2026?2????????????????2040??????
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Posted in ??????????, ??? | No Comments »

????????EU????????

?? ?? · Saturday, March 28th, 2026



khvost/iStock

????????????????????ETS??????

EU????????????????????????????????????EU-
ETS????????????3?19????EU????????????????????????????????ETS????????????????
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????????2?????????????????EU??
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ETS????????“????????”??
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ETS???ETS????????
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3?EU?????????3?18????????????????????10????????????????????????????????
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?2?26?????????EU????????????????????????13????????????????????????
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EU-ETS?????????????????EU????????????????????

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???3?19?????????????????EU????????????????????????????????????900????????
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ETS????????????????10????????????????ETS????????????????????
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????????????????????3?19????????????????????²⁵?

????????EU????????1????EU????????CBAM????????????????????????????????28????????
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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
- ?6?Rai1.Good Morning:”Meloni “ETS absolute paradox” 2026-3-20

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

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?? ?? · Wednesday, March 25th, 2026

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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?

Apple???????????

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??2026?1???????????

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??2015????????????????????????????????????60????????????????????????????????????

?????????????wiki????1987?????????(EPA)?????????????2009??2013??EPA?????????2013?
?Apple????????????????????????????????

Lisa P. Jackson

Apple???10????????????????????????????????ESG????????????????????????????????100%?????????100%??????
??EPA????????????????????????????

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Apple????????????????????



Apple????????????????????????????1????????????????????2????????????????
????????10????????????????????????????3????????????????????
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????????????????Apple????????????2023????????????Apple
Watch????????????????2025?8??
????????????????????????????

Apple Watch not a ‘CO2-neutral product,’ German court finds



Apple Watch??CO2????????????????????????
?????8?26???????? – Apple????Apple
Watch??CO2??
????????????????????Apple????????????????CO2????????????????
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????????????????????2023??
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Apple????????????????????



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2023 ?9?12?
Apple????????????????
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Apple????????Apple
Watch????????Apple????????????????????????????
????????????Apple Watch????????75????????



btgbtg/iStock

378????????????????????CDU??
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??AfD????????AfD?“????????”????????“??”?????
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????????CDU????????“??AfD????????”

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????CDU????2?????

3?10???EU????EU????????
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?AfD????30?40????20????5??1?????
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fD????????

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Posted in ???, ?? | No Comments »

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?? ?? · Wednesday, March 11th, 2026



artisteer/iStock

20258

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ESG

ESG

ESG

20241111 2025813

11

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



ESG

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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)

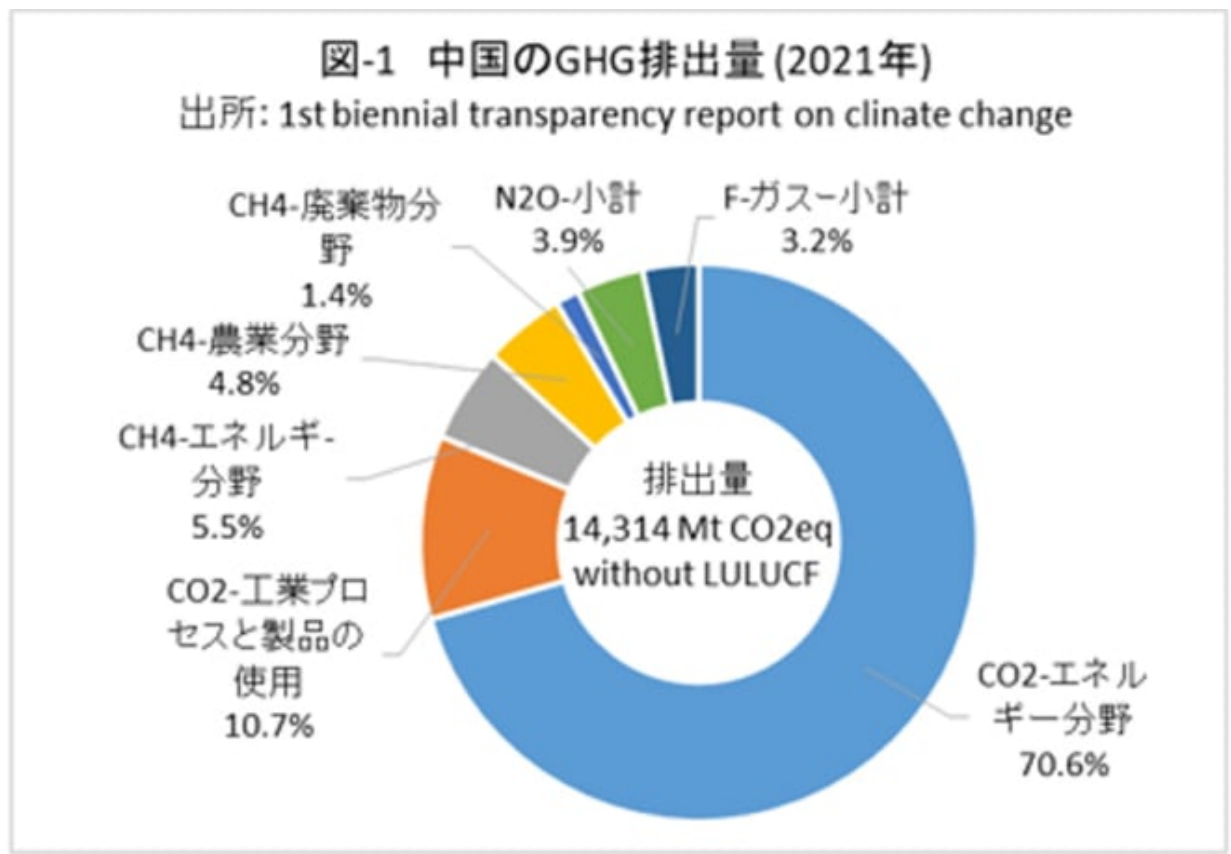
指標	目標
・CO2排出量のピーク	2030年までに達成
・カーボンニュートラル	2060年までに達成
・GDP当りCO2排出量	2030年までに、2005年レベルから65%以上削減
・一次エネルギーに占める非化石燃料割合	2030年までに、約25%に増加
・森林ストック量(forest stock volume)	2030年までに、2005年レベルに比べ60億m ³ 増加
・風力と太陽光発電の総設置容量	2030年までに、12億kW以上

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%????

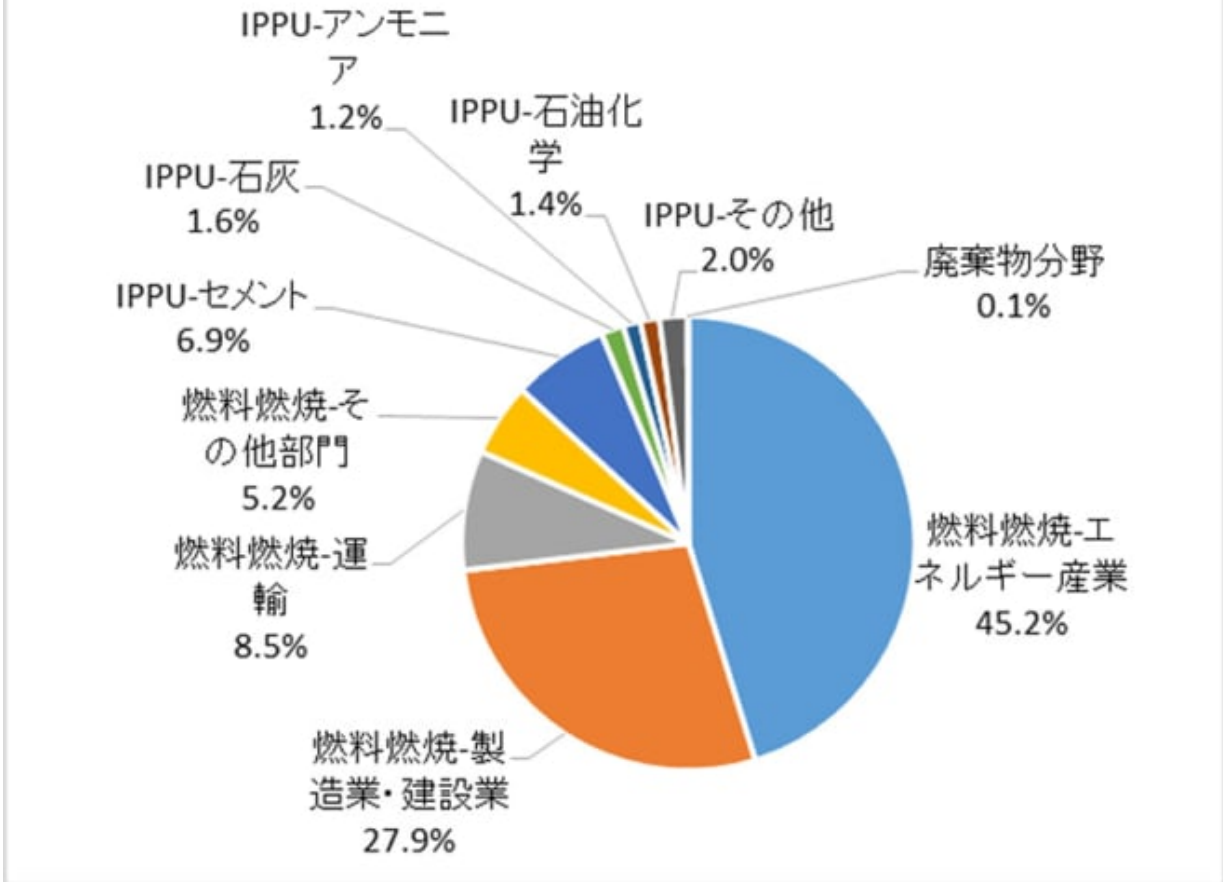
LULUCF????????1,315 MtCO2eq????????CO2????



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

図-3 中国のCO2排出量(2021年)

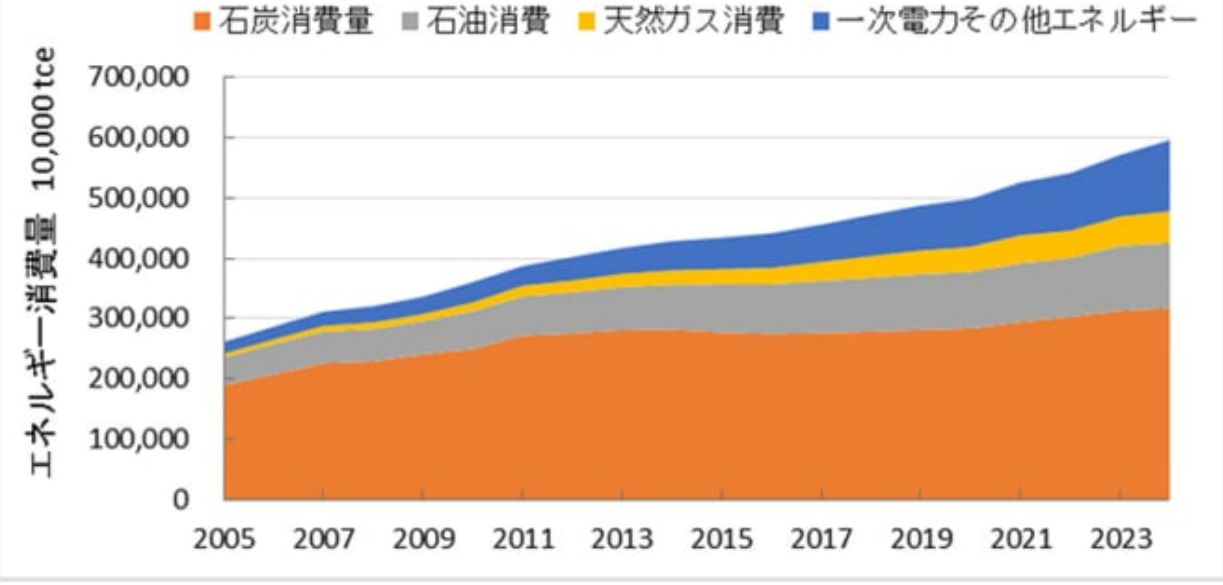
出所: 1st biennial transparency report on climate change



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

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

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

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

2025?2026??GDP???IMF?2025?7????????2026?4.2%??2030?3.4%????????2030??
????????????CO2????????????

2025??

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

2026????????????CO2????????????????????????????????????CO2????????
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??2030????????????
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????????????????????????CWEA????????CPIA????????
????????2030??CO2????????

????????????????2024????????8.8%????2016????????????2016-203
0????????2030??15%????

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

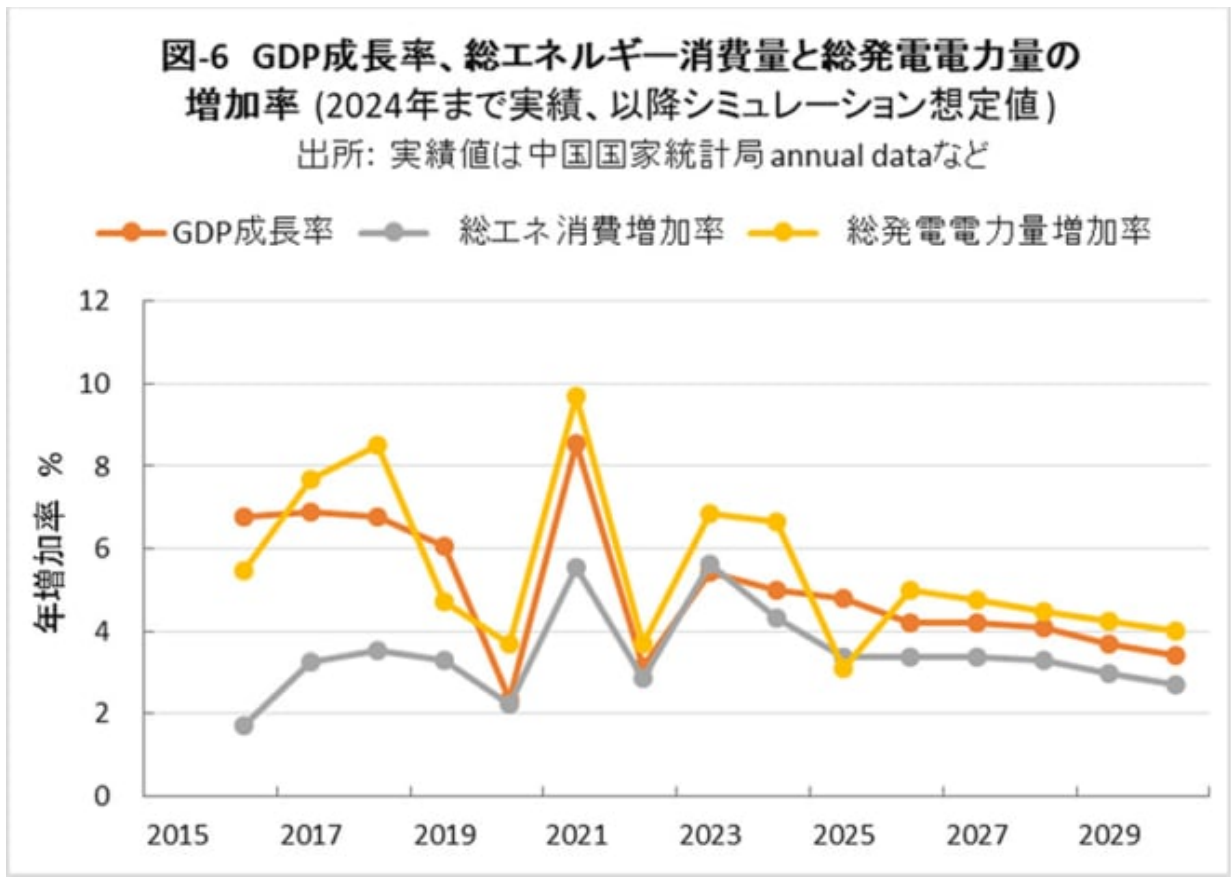
????????????????4%?2%????

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CO2 2024 CO2

CO2 -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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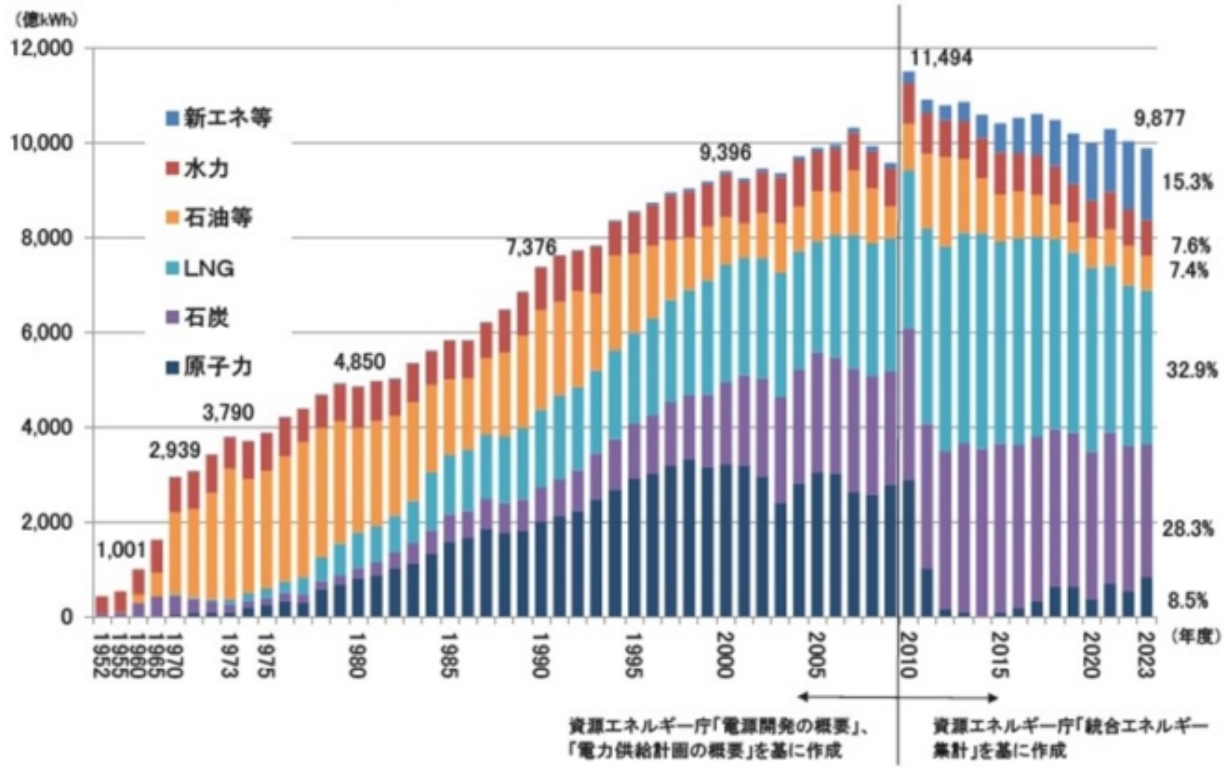
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2024??????????34.8%??????LNG?20.8%?????24.4%????????

【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。

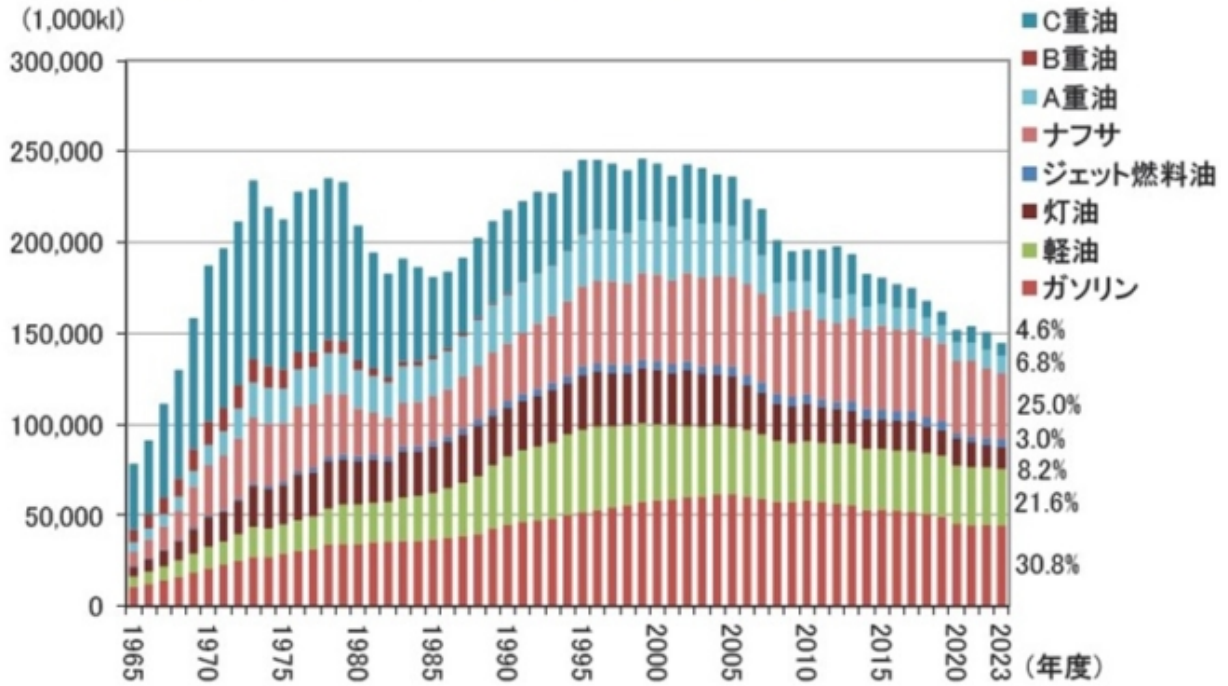
2025年6月

95.1% 11.0%

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

4%

【第14-4-1】燃料油販売量の推移(油種別)

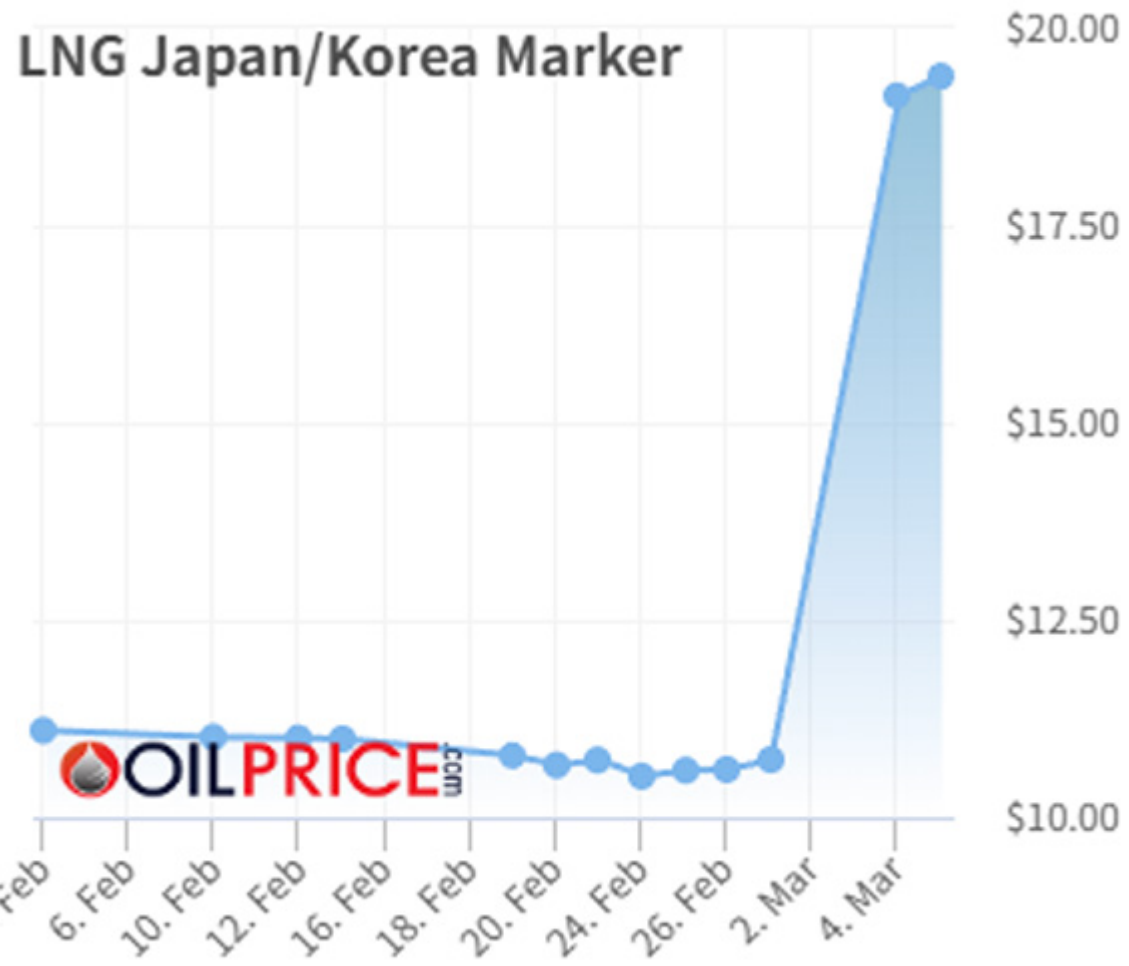


(注) 2002年1月よりB重油はC重油に含まれている。

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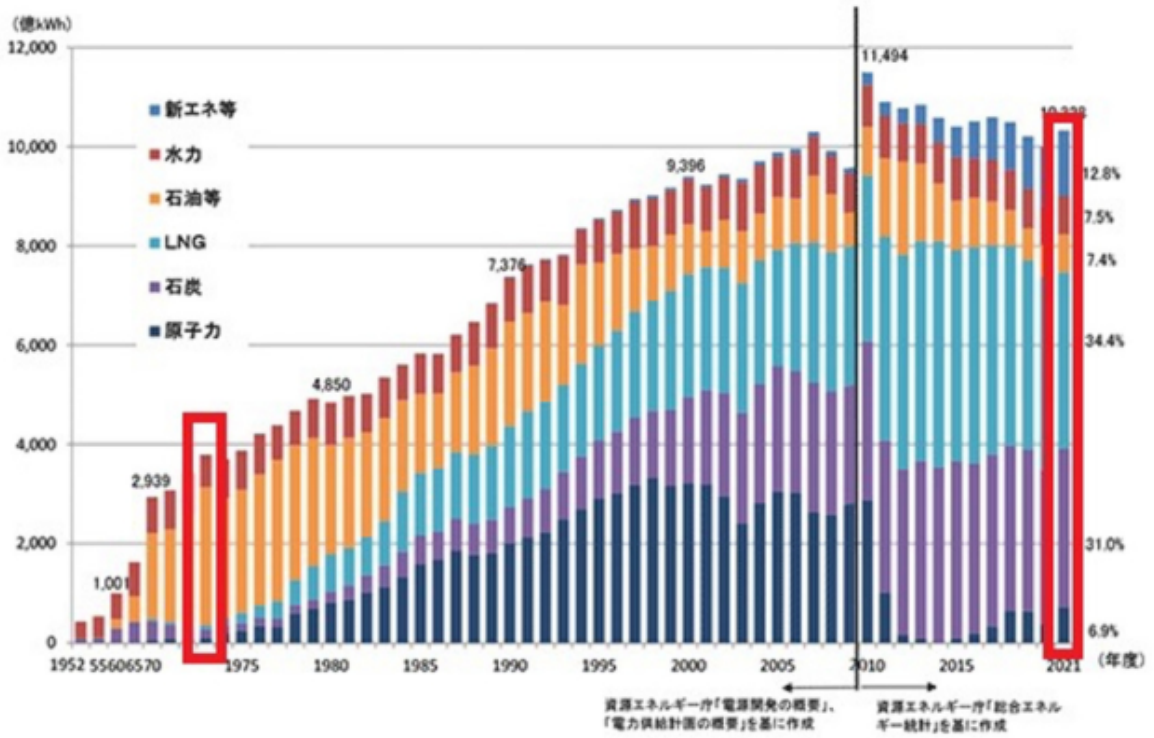
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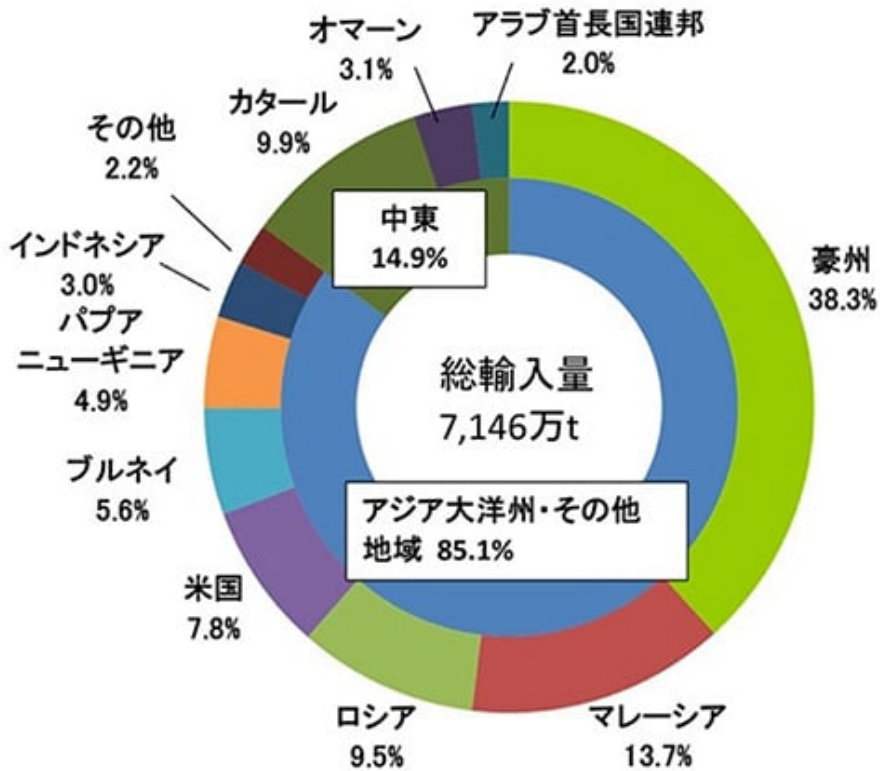
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Posted in ??????????, ?? | No Comments »

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?? ?? · Monday, March 2nd, 2026



HP

2020 GX

221



GX





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?? ? · Monday, March 2nd, 2026



Andrew Linscott/iStock

??2?18-19????????IEA??IEA??????????²¹??IEA?????

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IEA 2025 World Energy Outlook 2025 Scenario 2050 Scenario 2050

World Energy Outlook 2025 Scenario 2050 Scenario 2050
STEPS Stated Net Zero Current Policy
CPS STEPS NZE

1 66 IEA ... IEA ... 2050 IEA

CPS NZE

IEA EU IEA

G7 G20 G20 G7 G20

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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 ???, ??, ????? | No Comments »

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?? ?? · Saturday, February 28th, 2026

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

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?? ?? · Thursday, February 26th, 2026



ipopba/iStock

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??EPA??

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

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- ???NDC????????????????????2035?60%??2040?73%????
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Posted in ??????????, ??? | No Comments »

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?? ?? · Sunday, February 15th, 2026



Cimmerian/iStock

Climate Realism
MBA

30

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

30

UN WEF IEA

1990 10 50

- 2024 34% 6,500 1,000
- IEA 2021

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

????CO2????????????????????????2026????????????????AI????????

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

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



nisara Tangtrakul/iStock

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Posted in ???, ?? | No Comments »

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??? ?? · Friday, February 13th, 2026



MikeMareen/iStock

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2025年5月15日（金）午後3時30分～午後5時00分（予定）

本日は、電力の供給と需要のバランスについてご説明いたします。

電力の供給量は、発電機によって決定されます。発電機は、燃料を燃焼して電力を生成します。

電力の需要は、家庭や工場などによって決定されます。需要が増えると、電力の供給も増える必要があります。

電力の供給と需要のバランスを維持するために、電力会社は発電機の出力を調整します。

電力の供給と需要のバランスが崩れると、停電や電圧変動が発生する可能性があります。

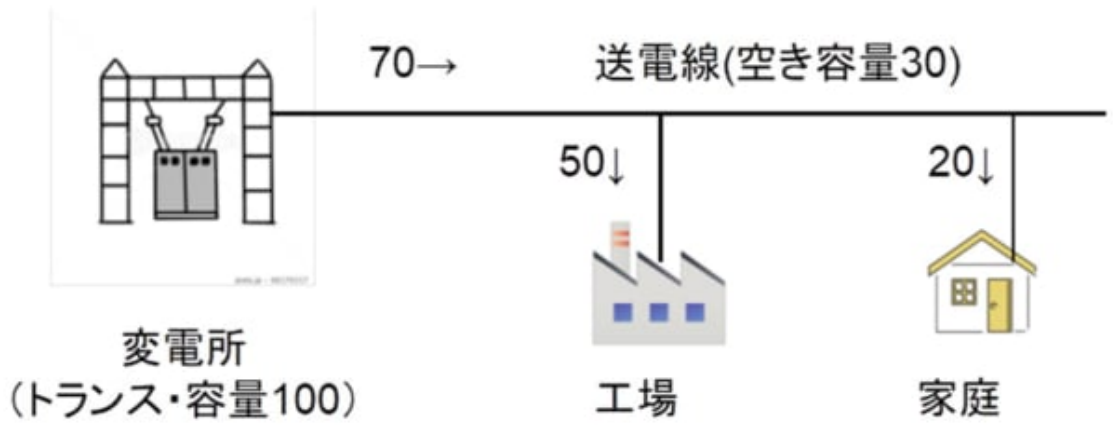
電力の供給と需要のバランス

電力の供給と需要のバランスを維持するために、電力会社は発電機の出力を調整します。

電力の供給量は、発電機によって決定されます。発電機は、燃料を燃焼して電力を生成します。PG（電力会社）は、電力の供給と需要のバランスを維持するために、発電機の出力を調整します。

電力の供給と需要のバランスを維持するために、電力会社は発電機の出力を調整します。

電力の供給と需要のバランスが崩れると、停電や電圧変動が発生する可能性があります。

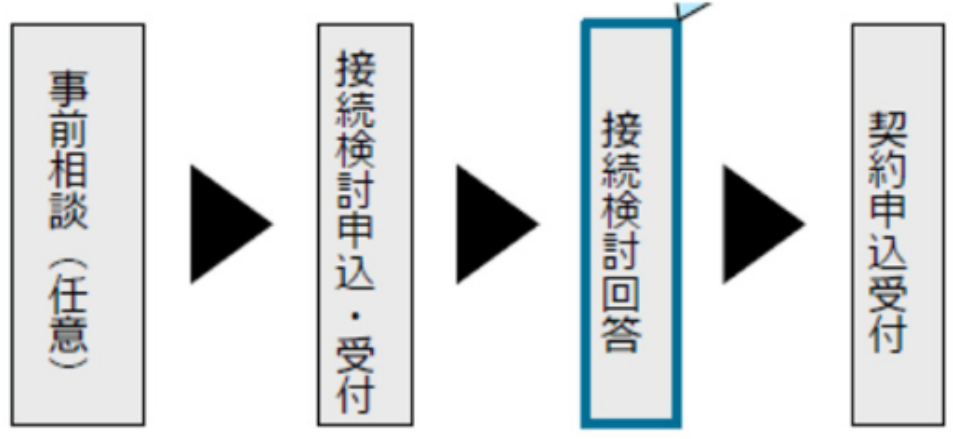


電力の供給と需要のバランスを維持するために、電力会社は発電機の出力を調整します。

電力の供給量は、発電機によって決定されます。発電機は、燃料を燃焼して電力を生成します。50と20の合計は70であり、これは送電線の空き容量30を上回るため、電力供給が不足する可能性があります。

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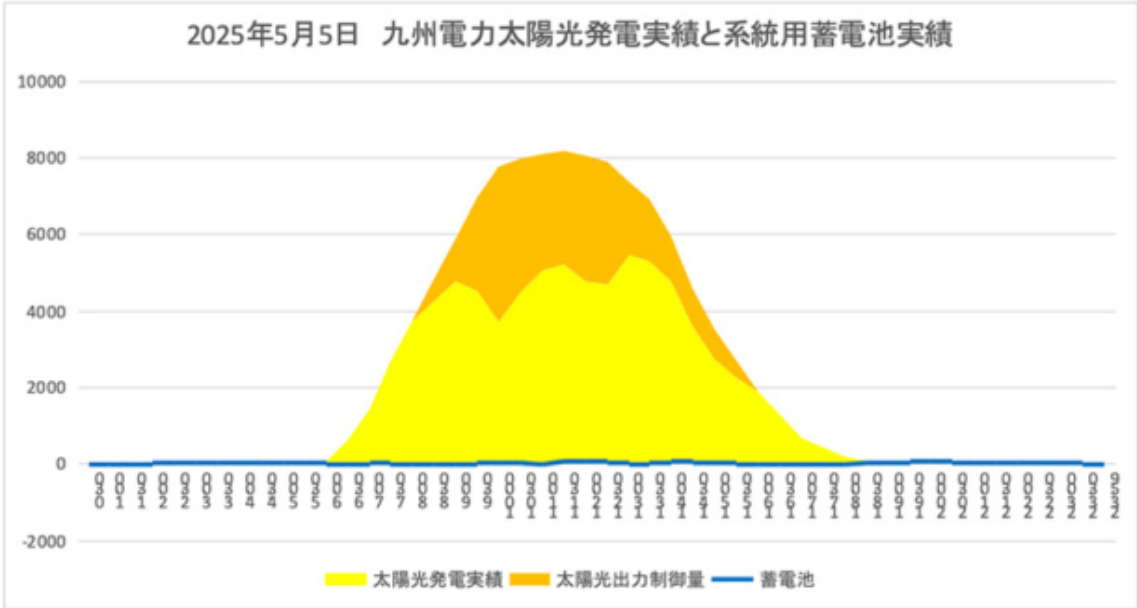
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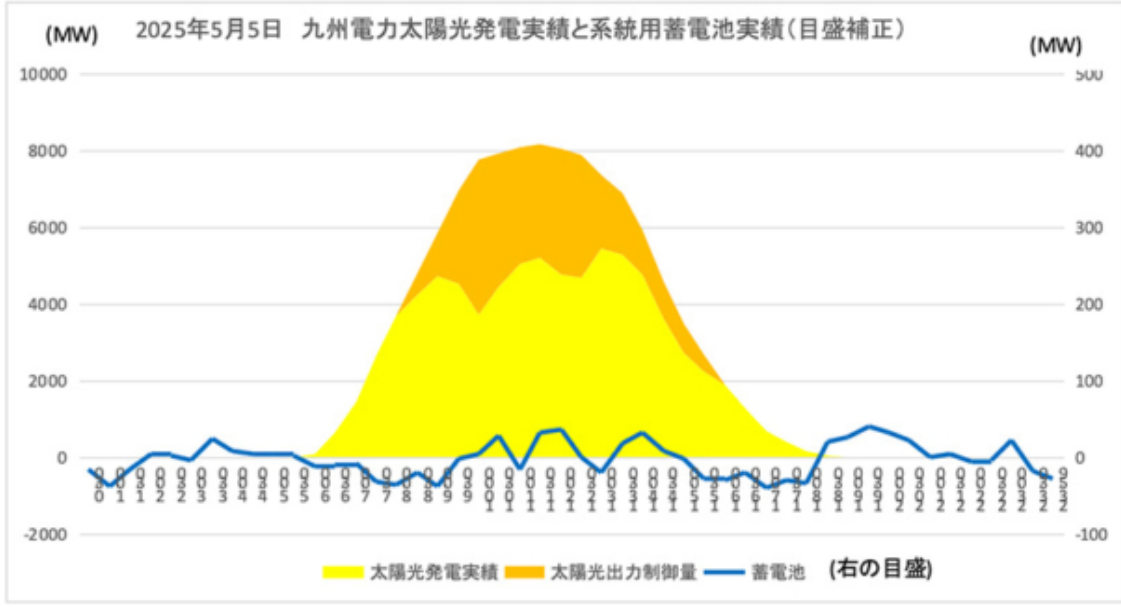
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Posted in ??????????, ??? | [No Comments »](#)

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?? ?? · Thursday, February 12th, 2026



The White House??

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

???DOGE??

??? ?? · Tuesday, February 10th, 2026



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4.2.2.2 CO2 capture and storage

4.2.2.2.1 CCS

CCS is a technology that captures CO2 from large point sources such as power plants and industrial facilities.

CO2 capture can be achieved through pre-combustion, post-combustion, and pre-combustion/post-combustion hybrid processes.

4.2.2.2.2 DAC

CCS and DAC are key technologies for achieving net-zero emissions. CCS is currently being deployed at a scale of 2-3 million tonnes per year, while DAC is still in the early stages of development.

4.2.2.2.3 Storage

Feasibility studies for CO2 storage sites are ongoing. Storage capacity is estimated to be in the range of 100-1,000 Gt.

4.2.2.2.4

- CCS is a mature technology with a long track record.

DOGE is a key technology for achieving net-zero emissions.

4.2.3.1.1 CCS

4.2.3.1.1.1 CCS

CO2 capture is a key technology for achieving net-zero emissions.

PDCA is a key technology for achieving net-zero emissions.

4.2.3.1.1.2

2030-2050 scenario: 2,900 Gt CO2 capture capacity is required to reach net-zero emissions.

CO2 capture is a key technology for achieving net-zero emissions.

4.2.3.1.1.3

CO2 capture is a key technology for achieving net-zero emissions.

4.2.3.1.2

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

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?? ?? · Friday, February 6th, 2026



metamorworks/iStock

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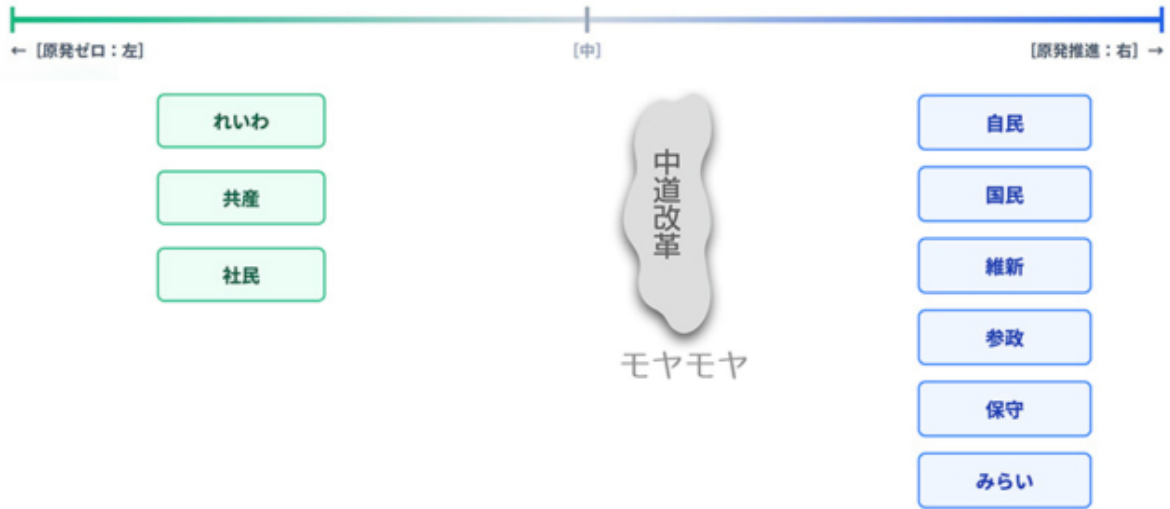
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原発政策における政党相関図



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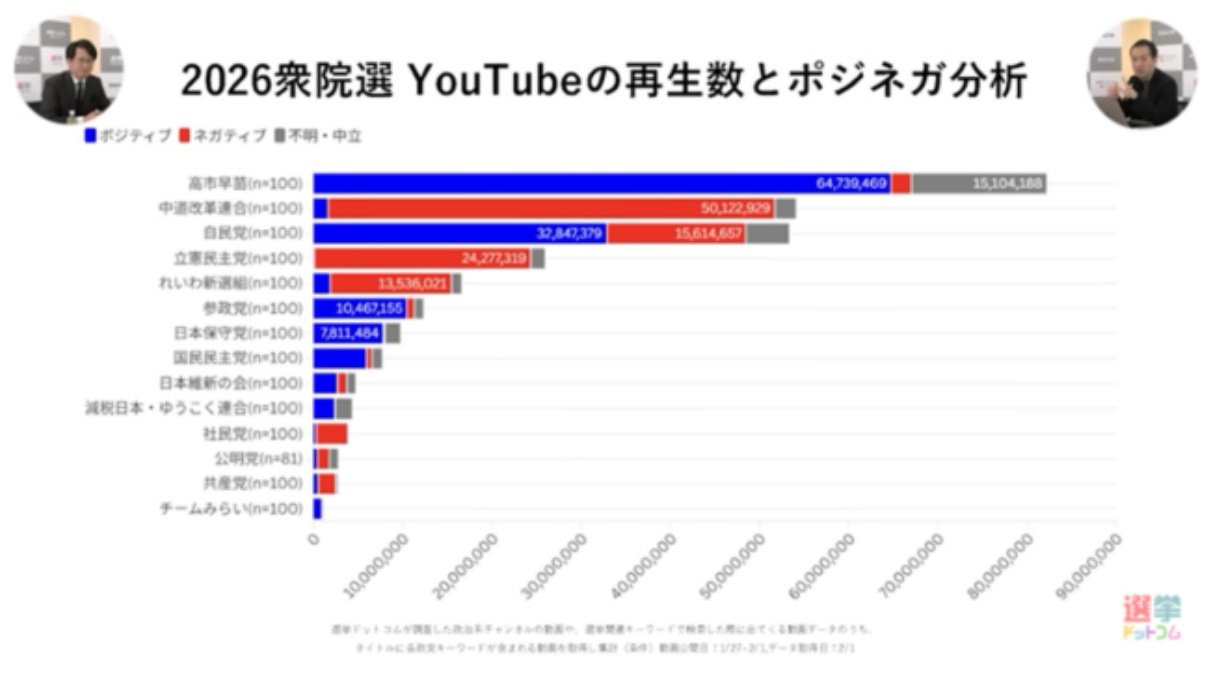
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Posted in ??????????, ??, ?? | [No Comments »](#)

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?? ?? · Wednesday, February 4th, 2026

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?????????Is Fukushima Dangerous? — Distorted images of Japan???

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2021??News Week????



特集：奇才モーリー・ロバートソンの国際情勢入門

2018年8月14日号（8/7発売）

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?? ?? · Sunday, February 1st, 2026



gremlin/iStock

2024?6??????????GFANZ?NZBA??
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Net Zero Financial Service Providers Alliance Disbands – ESG Today

NZFSPA??
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??NZFSPA????????????????????????????

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Net Zero Financial Services Providers Alliance????????? | ??????????

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JPX????????NZFSPA????????????????????????????????

お知らせ ▾	会社情報 ▾	株主・投資家情報 (IR) ▾	サステナビリティ ▾	ガバナンス/リスク管理 ▾
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JPX企業情報 > お知らせ > JPXからのお知らせ

JPXからのお知らせ

2023/12/04 JPX

Net Zero Financial Services Providers Allianceへの加盟について

ツイート

株式会社日本取引所グループ（以下、JPX）は、脱炭素社会の実現に貢献すべく、Net Zero Financial Services Providers Alliance (NZFSPA) に加盟しました。

NZFSPAは、産業革命前からの世界の平均気温上昇を1.5度未満に抑えるため、2050年までに世界の温室効果ガス排出量のネットゼロを実現するという目標への貢献にコミットする金融サービスプロバイダーのグローバルなイニシアティブです。

JPXは、環境理念及び環境方針を掲げ、環境と共存可能な資本市場の維持・発展に努めることで持続可能な社会を目指しています。また、中期経営計画2024においてグリーン戦略を策定し、その一環として、2024年度までに温室効果ガス排出量スコープ1・2のカーボン・ニュートラル実現を目指しています。

今般のNZFSPAへの加盟により、JPXは、ネットゼロの達成に向けた取組みをより一層深化させていきます。

- Net Zero Financial Service Providers Alliance
- COP28: Japan Exchange Group, Latinex and Philippine Stock Exchange join the Net Zero Financial Service Providers Alliance (NZFSPA) (SSEリリース)

Net Zero Financial Services Providers Alliance???????? | ??????????

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