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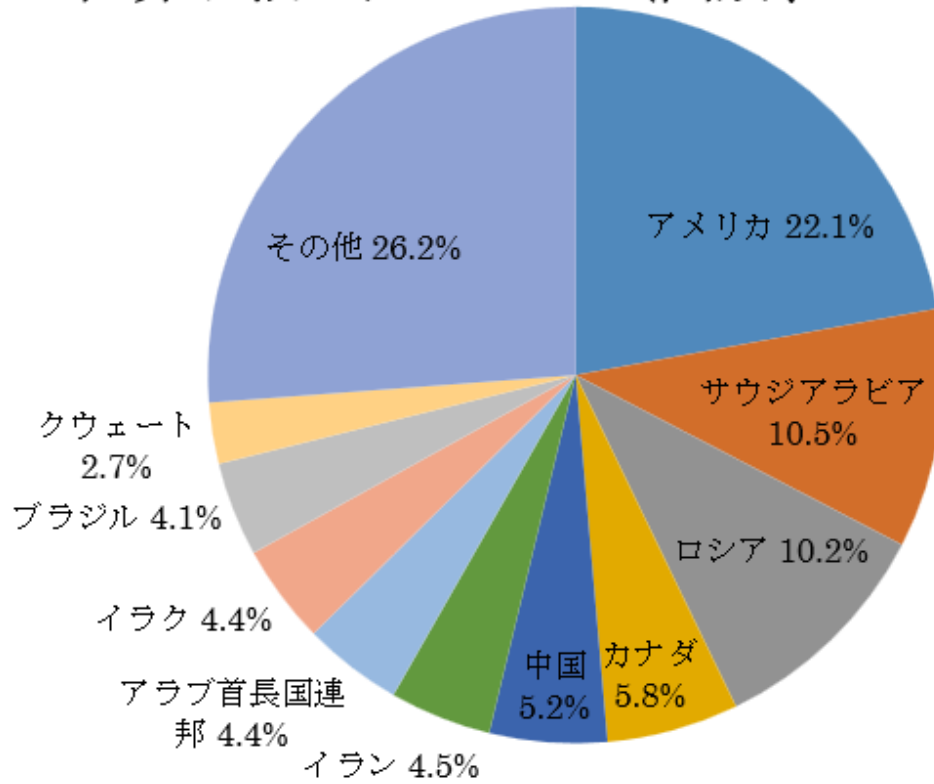
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Posted in [??????????????](#), [???](#), [???????????](#) | [No Comments](#) »



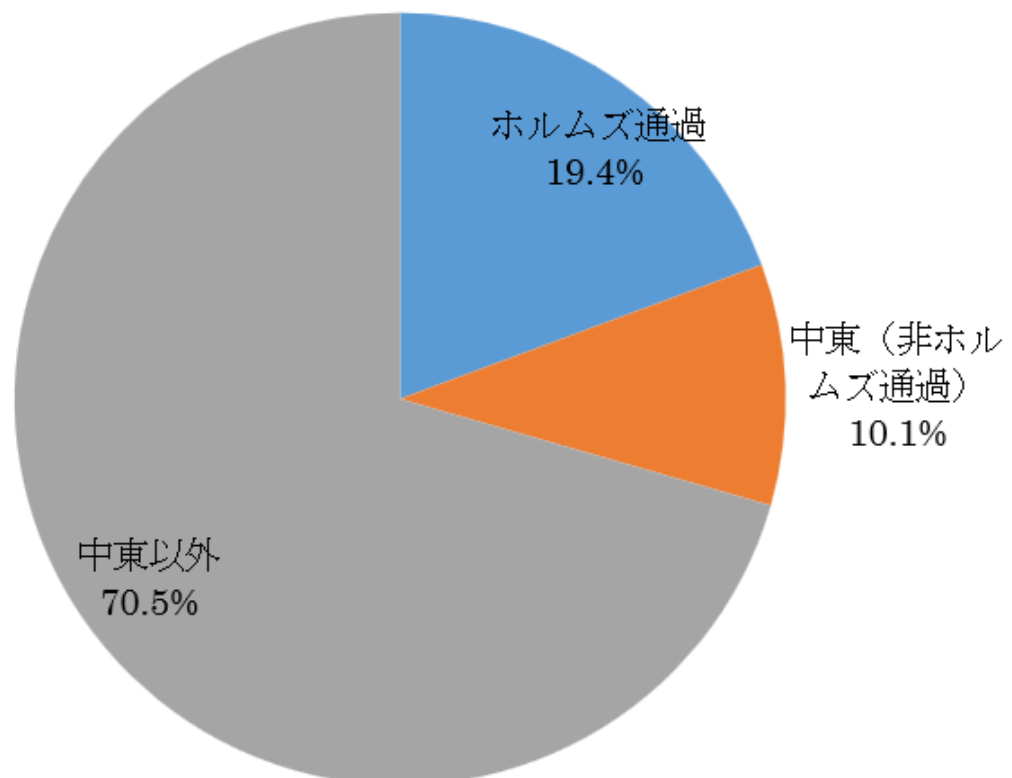
## 世界石油生産シェア（国別、2024年）



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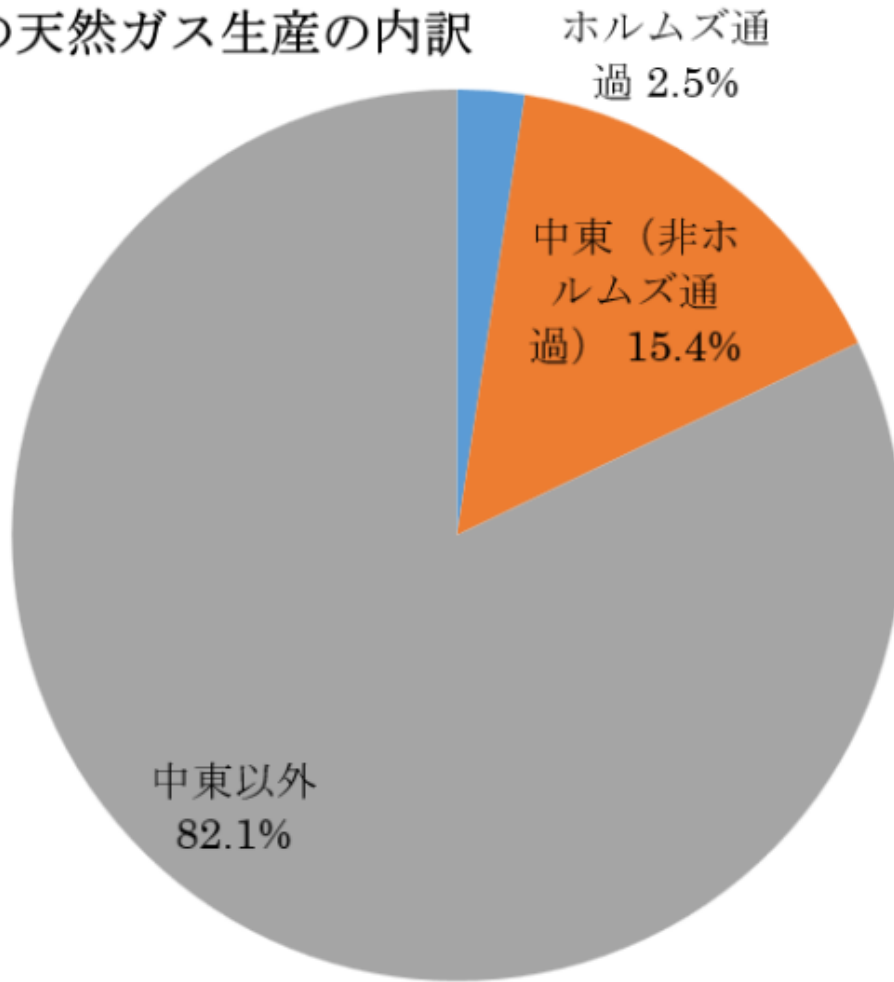
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## 世界の石油生産内訳



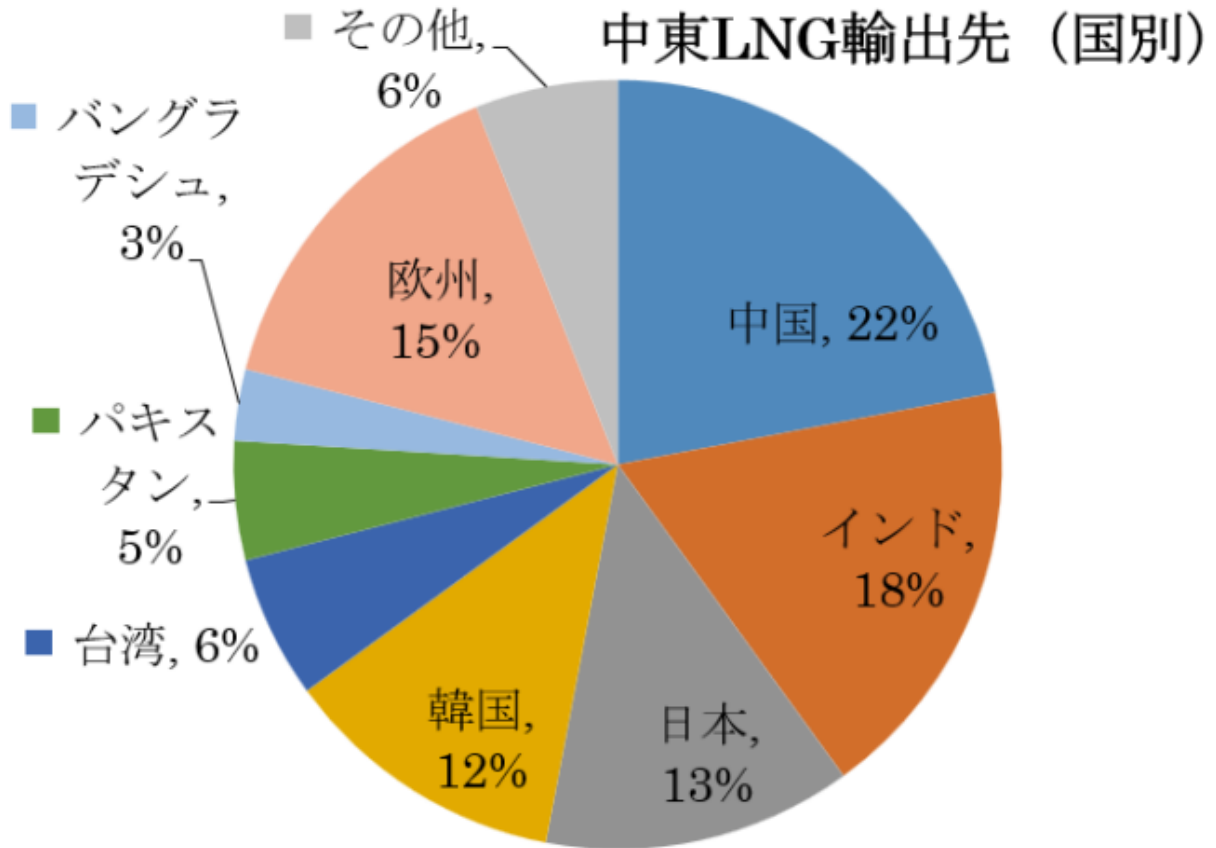


# 世界の天然ガス生産の内訳



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

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- ?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????? ????????

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

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????????????????—????????????Argo????????????—????????????????????????????  
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??2050??  
PCC????????????

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



10?4?(?)????????MATCH PARTNER  
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ap bank fes '25 at TOKYO DOME???????????????????????????? – ???????



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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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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?

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



Apple Watch??CO2????????????????????????  
?????8?26???????? – Apple????Apple  
Watch??CO2??  
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**Apple????????????????????**



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2023 ?9?12?  
  
Apple????????????????  
  
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Apple????????Apple  
Watch????????Apple????????????????????????????  
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 ??S&P500????ESG?????????????????2?????????????22??  
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???ESG???Apple????????  
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 ??????????????2,000????????????????????????????????

環境課題	全員のインセンティブの対象となる役割	インセンティブ	実績指標
気候変動、 フォレスト、 ウォーター、 生物多様性	取締役会または役員レベル <ul style="list-style-type: none"> <li>取締役会議長</li> <li>取締役会/執行委員会</li> <li>環境コンプライアンス責任者 (COO)</li> <li>環境経営責任者 (CEO)</li> <li>環境経営責任者 (CFO)</li> <li>ガバナンス/監査責任者 (COFO)</li> <li>環境経営責任者 (CO)</li> <li>環境経営責任者 (COO)</li> <li>環境経営責任者 (CPO)</li> <li>環境リスク管理責任者 (CRO)</li> <li>環境サステナビリティ責任者 (CSO)</li> <li>環境技術責任者 (CTO)</li> <li>環境契約責任者 (CUD)</li> </ul>	<ul style="list-style-type: none"> <li>ボーナス - 給与の一環</li> <li>ボーナス - 定額</li> <li>昇進</li> <li>昇給</li> <li>株式</li> <li>報酬分配</li> <li>退職金制度</li> <li>その他、具体的にお答えください</li> </ul>	<b>目標</b> <ul style="list-style-type: none"> <li>環境目標達成に向けた進捗</li> <li>環境目標の達成</li> <li>環境関連のサステナビリティインボックスにおける組織の移行</li> <li>ネットゼロ目標に向けた排出量削減の進捗</li> <li>その他の目標関連の指標、具体的にお答えください。</li> </ul> <b>戦略と財務計画</b> <ul style="list-style-type: none"> <li>取締役会による気候移行戦略の承認</li> <li>株主による気候移行戦略の承認</li> <li>気候移行計画の進捗</li> <li>ポートフォリオ/ファイナンスにおけるグリーン資産の割合の増加</li> <li>ネットゼロの事業と整合するビジネスモデルへの移行</li> <li>環境関連の R&amp;D やイノベーションへの投資増加</li> <li>低炭素製品またはサービスによる売上の割合拡大</li> <li>移行計画および/またはサステナビリティ/クライマーズ・イノベーション/ESG の統合性</li> </ul>

Apple???CDP2025??  
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???CDP???Apple?????????????????P&G????????????????????????????  
 G???1?????1???ESG??

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???Apple?????????????????ESG?????????????????????EPA????????  
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Posted in ???, ????, ????? | No Comments »

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?? ??? ? - Thursday, March 12th, 2026



btgbtg/iStock

38????????????????????CDU??  
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??AfD????????AfD?“????????”????????“??”????  
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????CDU????“??AfD????”

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3?10??EU????EU????

??AfD????30?40????20????5??1????

????AfD????

????CDU?CSU????AfD????AfD????

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????BSW????AfD????

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Posted in ???, ?? | No Comments »

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?? ?? · Wednesday, March 11th, 2026



artisteer/iStock

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ESG

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ESG

202411 20258 20258 20258

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



ESG



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??ESG????????????????????(a)  
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c)????????????????????2,950????????????????

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????ESG??

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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)

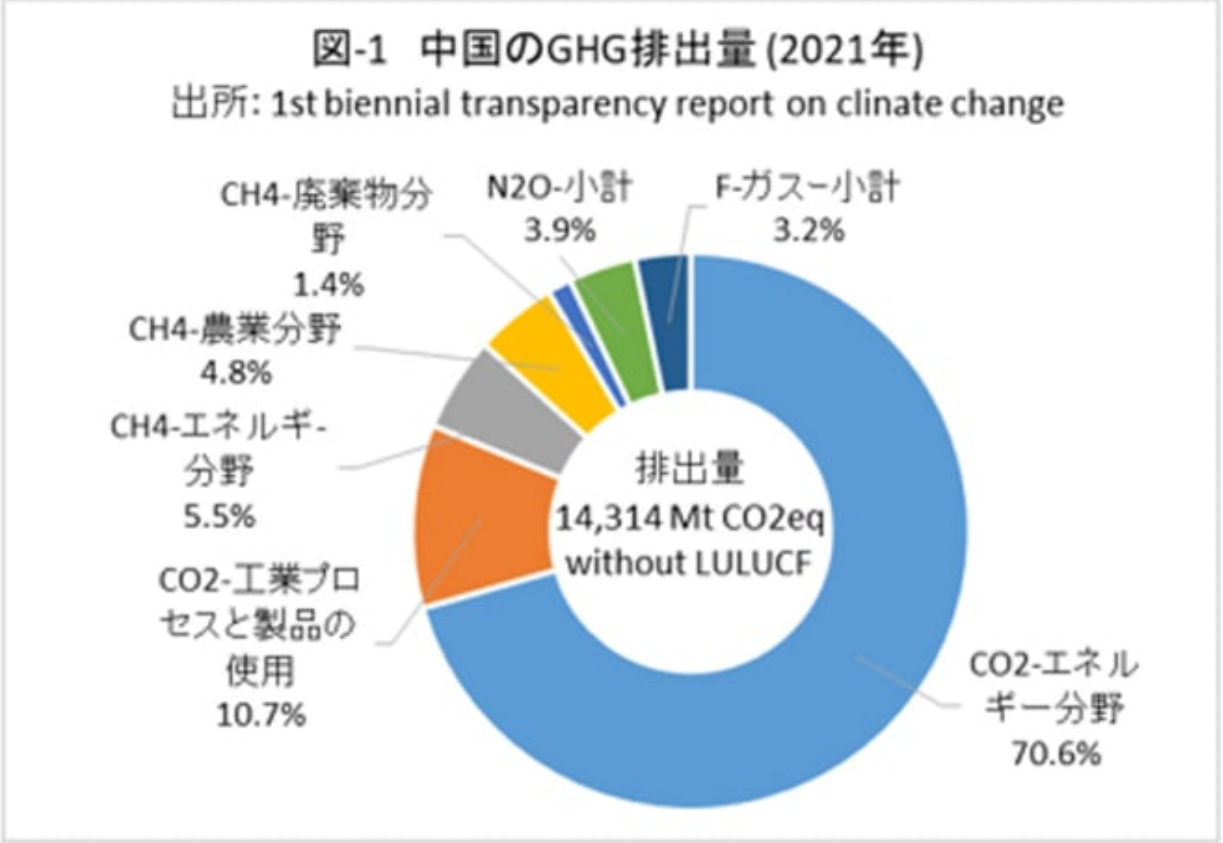
指標	目標
・CO2排出量のピーク	2030年までに達成
・カーボンニュートラル	2060年までに達成
・GDP当りCO2排出量	2030年までに、2005年レベルから65%以上削減
・一次エネルギーに占める非化石燃料割合	2030年までに、約25%に増加
・森林ストック量(forest stock volume)	2030年までに、2005年レベルに比べ60億m3増加
・風力と太陽光発電の総設置容量	2030年までに、12億kW以上

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????

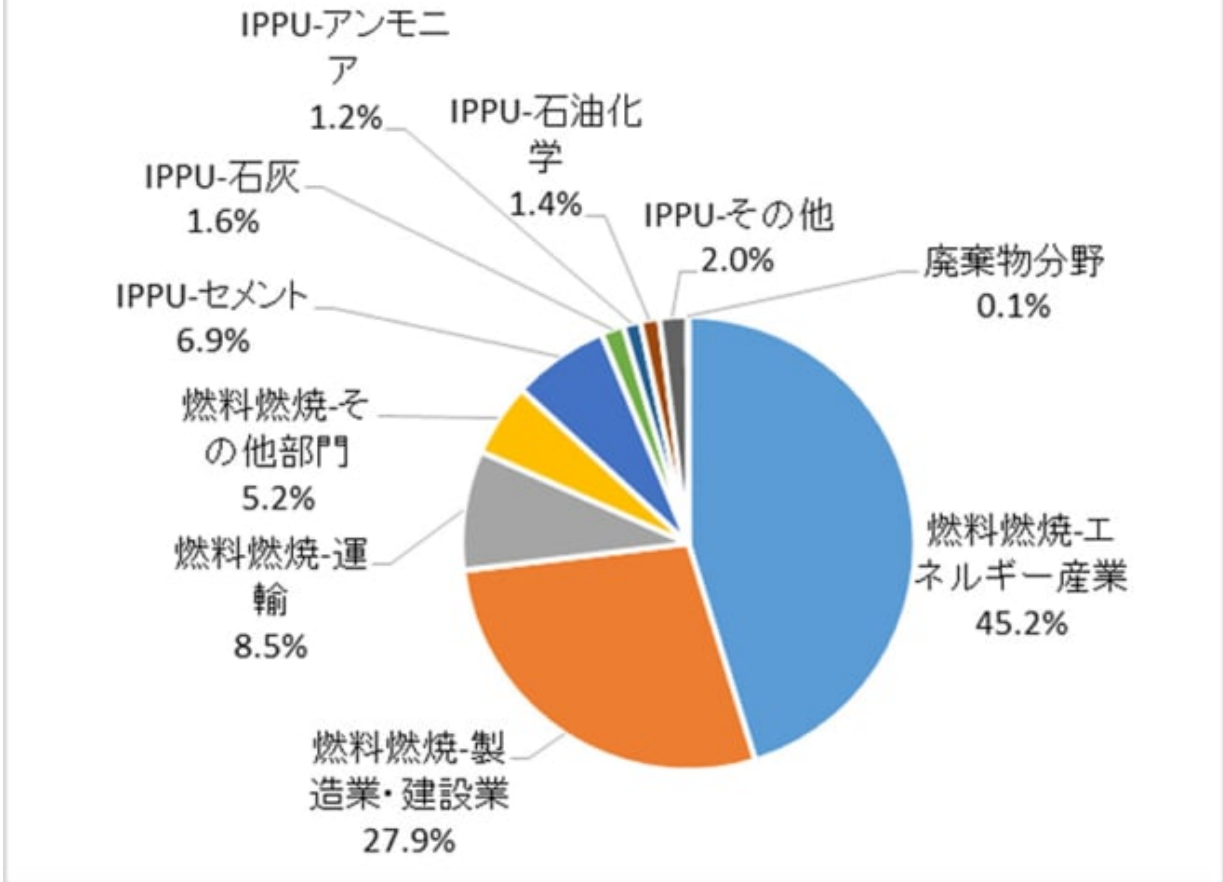


?-2??CO2????????1.A.1????UNFCCC??GHG????



### 図-3 中国のCO2排出量(2021年)

出所: 1st biennial transparency report on climate change

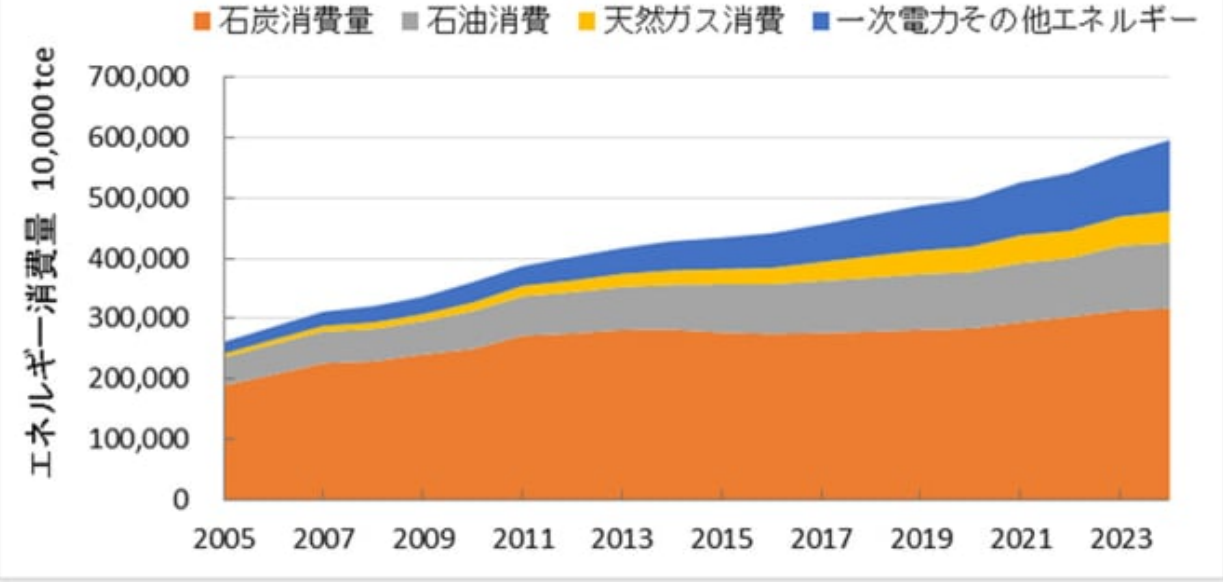


????????????????CO2????CO2??CO2????????????????  
 ?????????????????CO2??IPPU??CO2????????????

?-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 = 7Gcal

2022 Gross 42.8%

2%

2024 53% 66%

CO2

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????2030??15%????

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

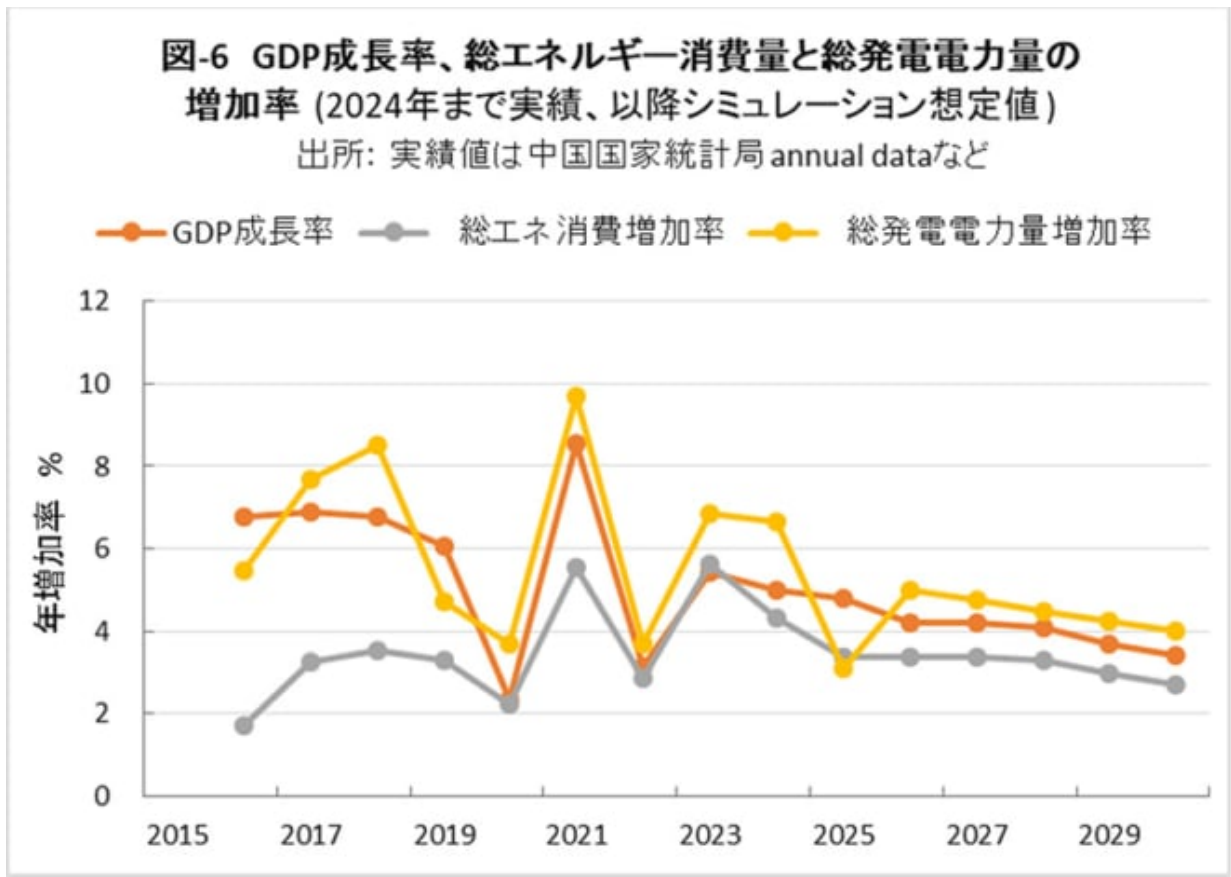
????4%?2%????

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CO2 2024 CO2

CO2 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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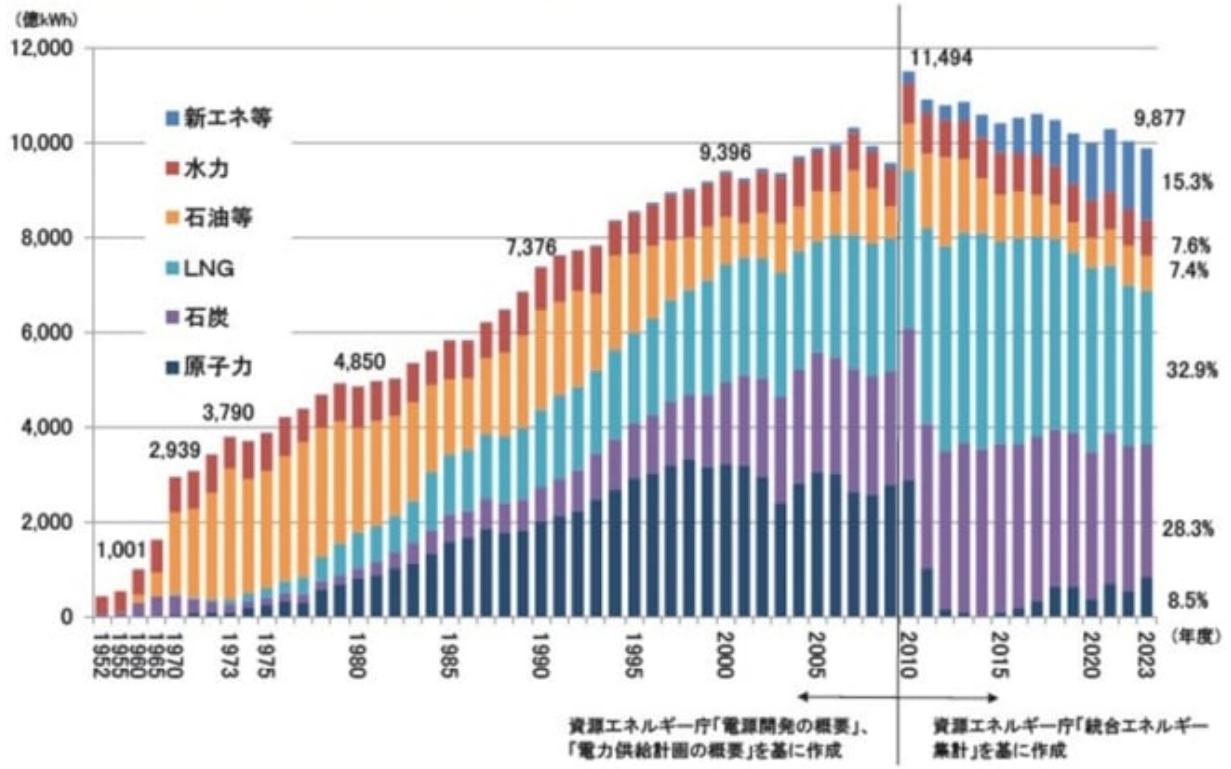
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????????????????????????????1??1973??????75.5%????????????????????????????????????  
2024??????????34.8%??????LNG?20.8%?????24.4%????????



### 【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。

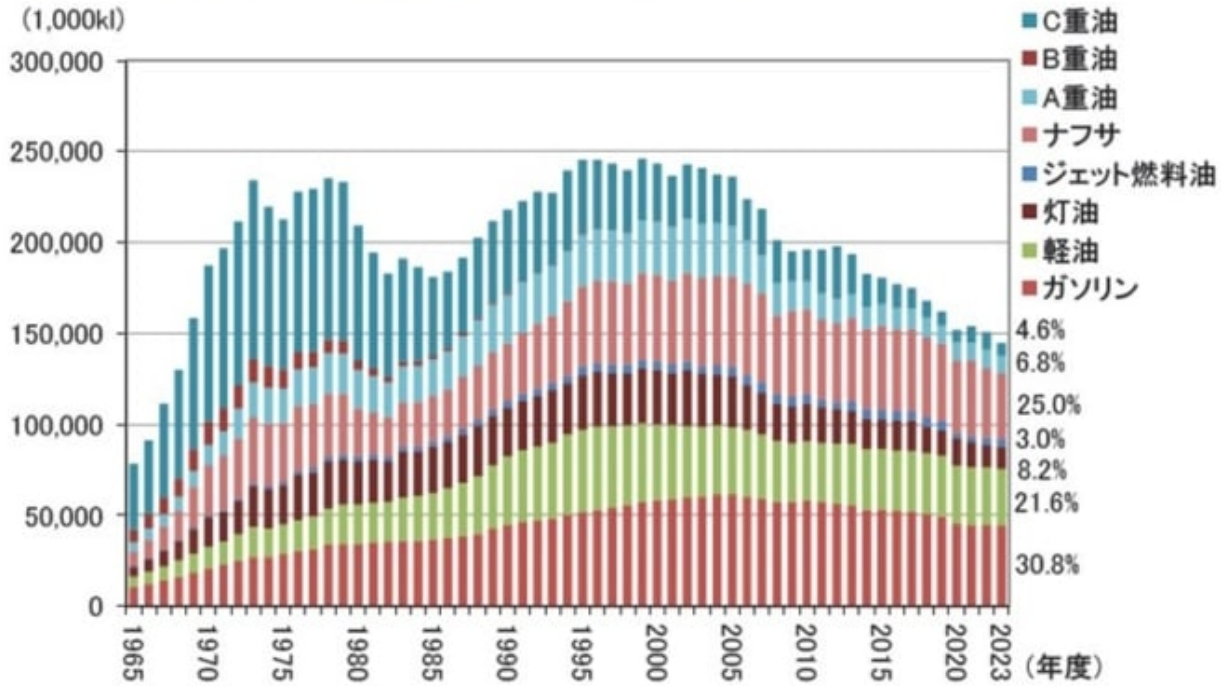
2025年6月

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)

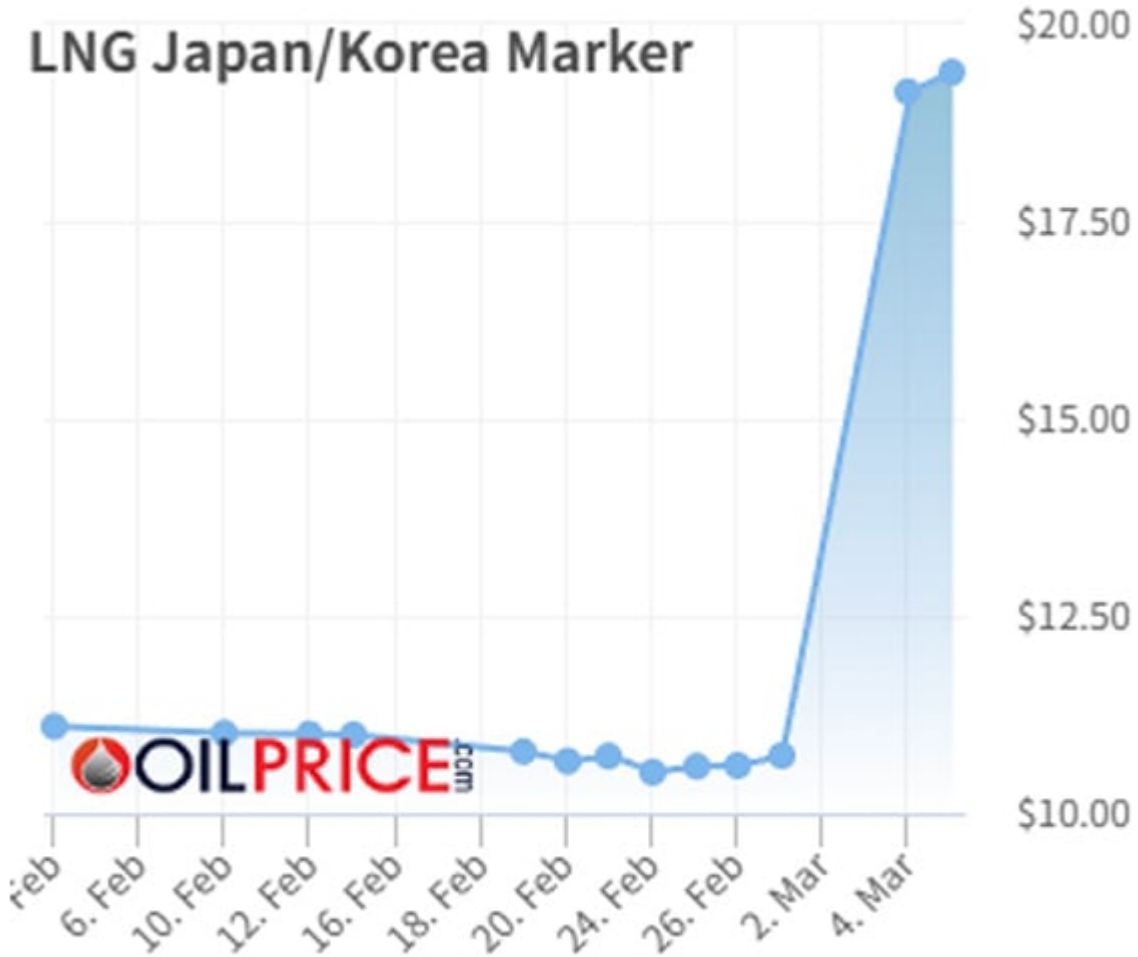


(注) 2002年1月よりB重油はC重油に含まれている。

2025年6月

燃料油販売量の推移(油種別)に関する詳細なデータや注釈を参照してください。

燃料油販売量の推移(油種別)に関する詳細なデータや注釈を参照してください。LNG(JKM)に関するデータも参照してください。



?5 OILPRICE.com??

??LNG????????????????  
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Yanleth Rivera/iStock

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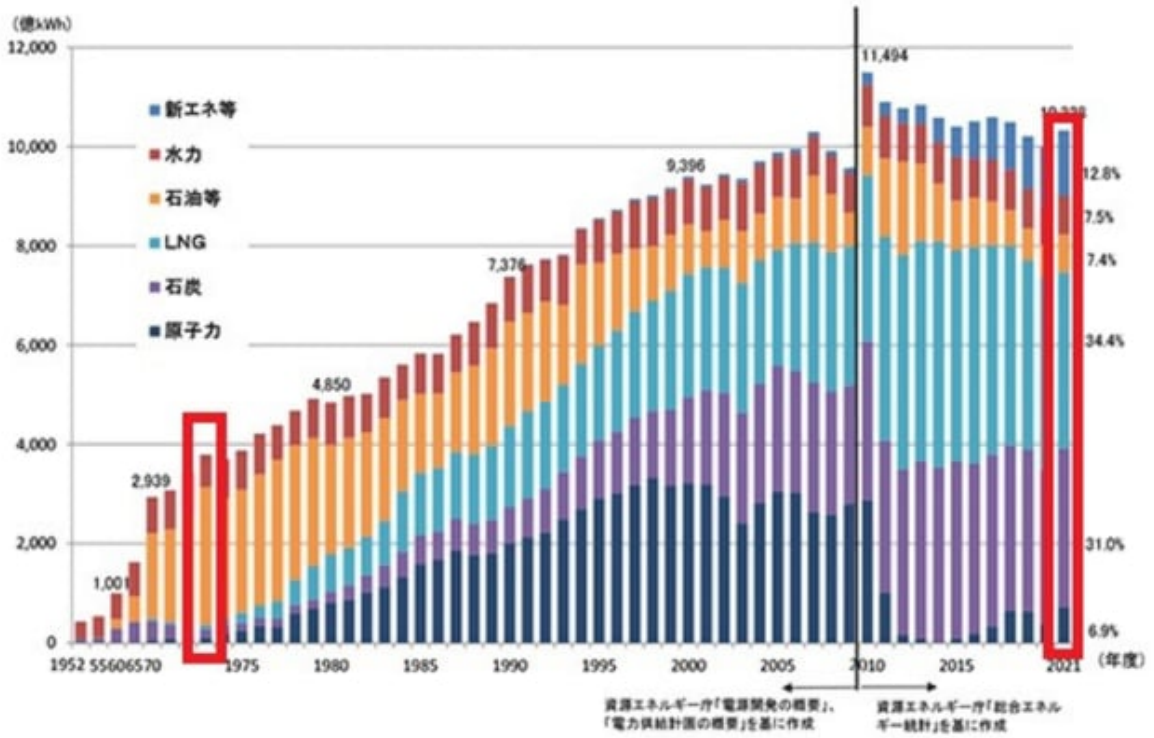
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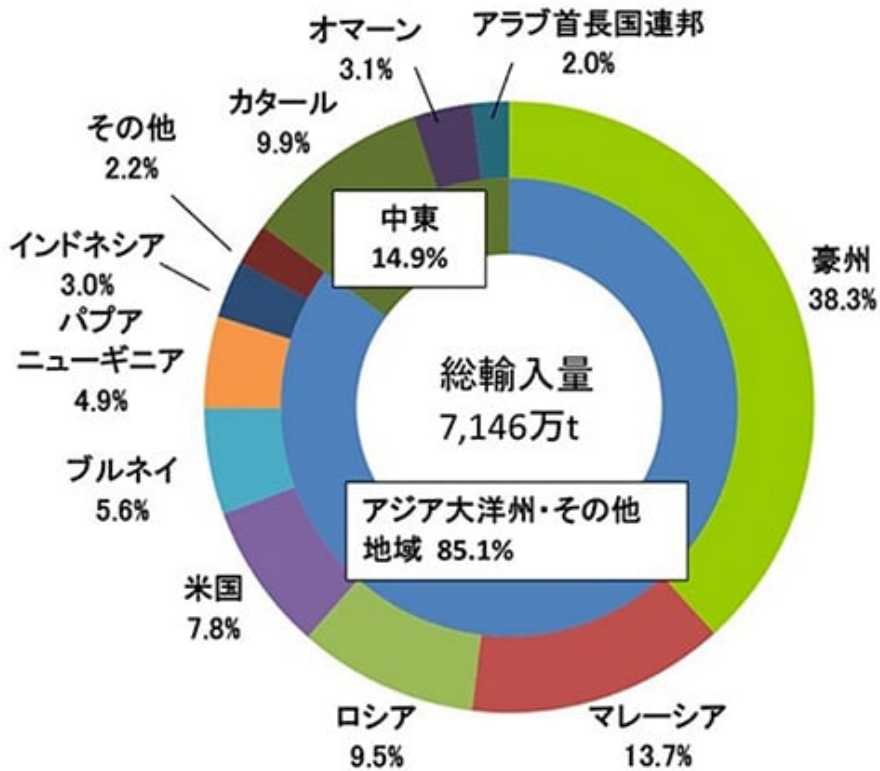
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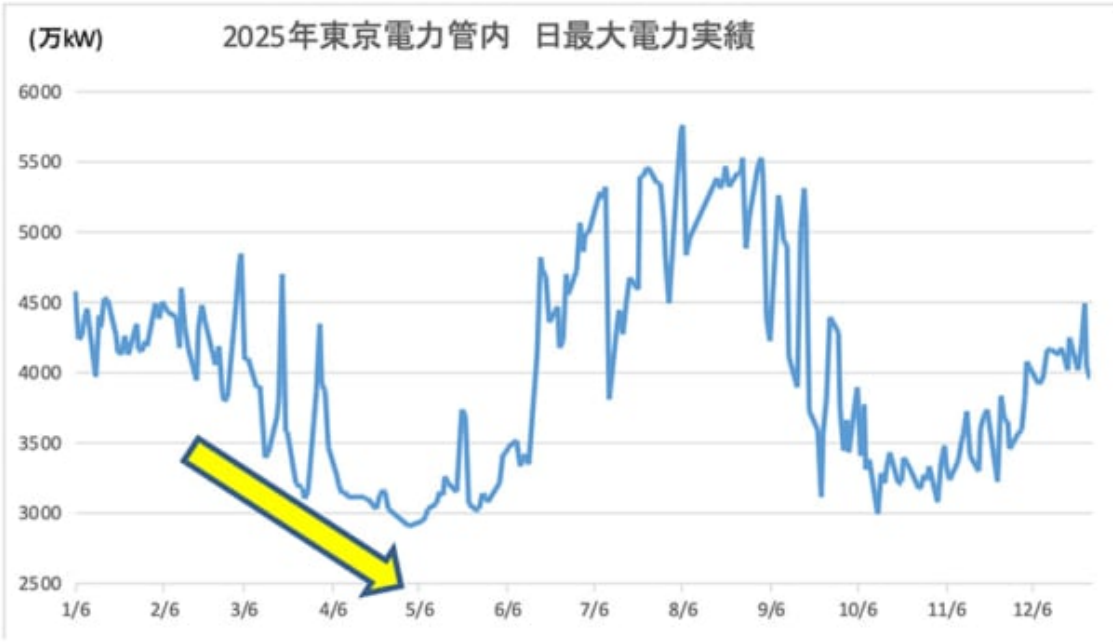
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Posted in ??????????, ??? | No Comments »

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?? ? · Monday, March 2nd, 2026



Andrew Linscott/iStock

??2?18-19????????IEA??IEA??????????<sup>11</sup>????IEA?????

International Energy Agency (IEA) 2022 and International Energy Agency (IEA) 2023

International Energy Agency (IEA) 2025, G7

International Energy Agency (IEA)

International Energy Agency (IEA) Ministers

International Energy Agency (IEA)

**International Energy Agency (IEA)**

- International Energy Agency (IEA) International Energy Agency (IEA)
- International Energy Agency (IEA) 2025, 2024-25
- International Energy Agency (IEA) International Energy Agency (IEA)
- International Energy Agency (IEA)
- International Energy Agency (IEA)
- International Energy Agency (IEA)
- International Energy Agency (IEA)
- International Energy Agency (IEA)
- International Energy Agency (IEA) COP28
- International Energy Agency (IEA) International Energy Agency (IEA)

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International Energy Agency (IEA) International Energy Agency (IEA)

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

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

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

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

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

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

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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 NZE Net Zero Emissions Scenario CPS Current Policy Scenario CPS STEPS NZE

?? ?? · Saturday, February 28th, 2026

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

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

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

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

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

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



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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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?? ?? · Monday, February 16th, 2026

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- ???NDC????????????????????2035?60%??2040?73%????
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2026 EC CSRD CSDDD SSB J

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Posted in ???? | No Comments »

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?? ?? · Sunday, February 15th, 2026



Cimmerian/iStock

Climate Realism  
MBA

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

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UN WEF IEA

1990 10 50

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

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

# ??

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



nisara Tangtrakul/iStock

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2025年5月15日現在、電力需給バランスが崩れ、送電線に空き容量が30%確保されている状況です。

電力需給バランスが崩れ、送電線に空き容量が30%確保されている状況です。

電力需給バランスが崩れ、送電線に空き容量が30%確保されている状況です。

電力需給バランスが崩れ、送電線に空き容量が30%確保されている状況です。

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電力需給バランスが崩れ、送電線に空き容量が30%確保されている状況です。

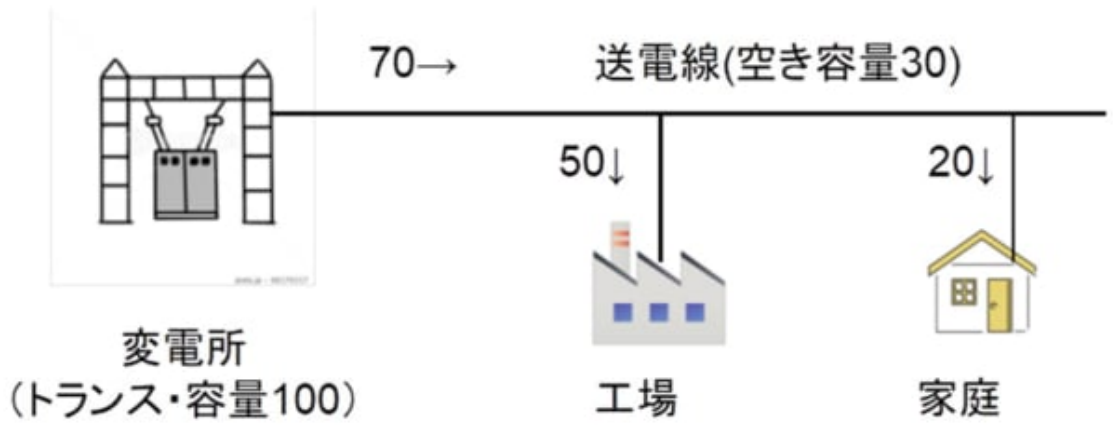
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電力需給バランスが崩れ、送電線に空き容量が30%確保されている状況です。

電力需給バランスが崩れ、送電線に空き容量が30%確保されている状況です。

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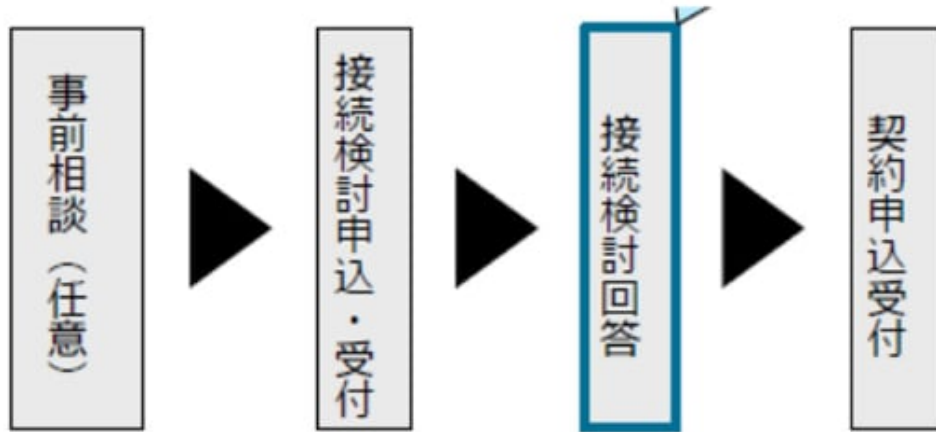
電力需給バランスが崩れ、送電線に空き容量が30%確保されている状況です。

電力需給バランスが崩れ、送電線に空き容量が30%確保されている状況です。



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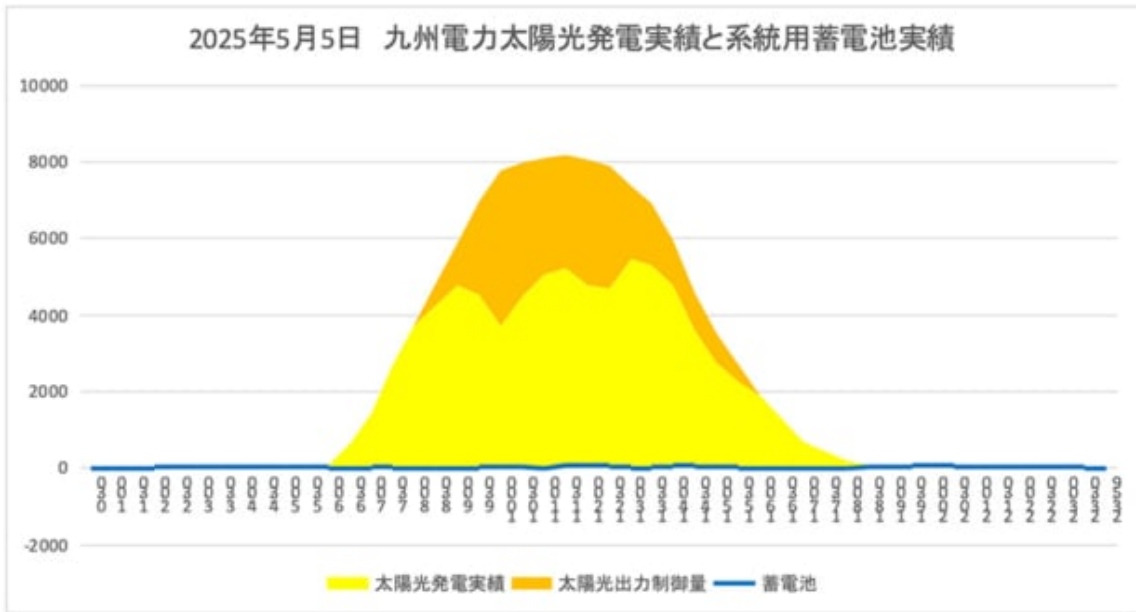
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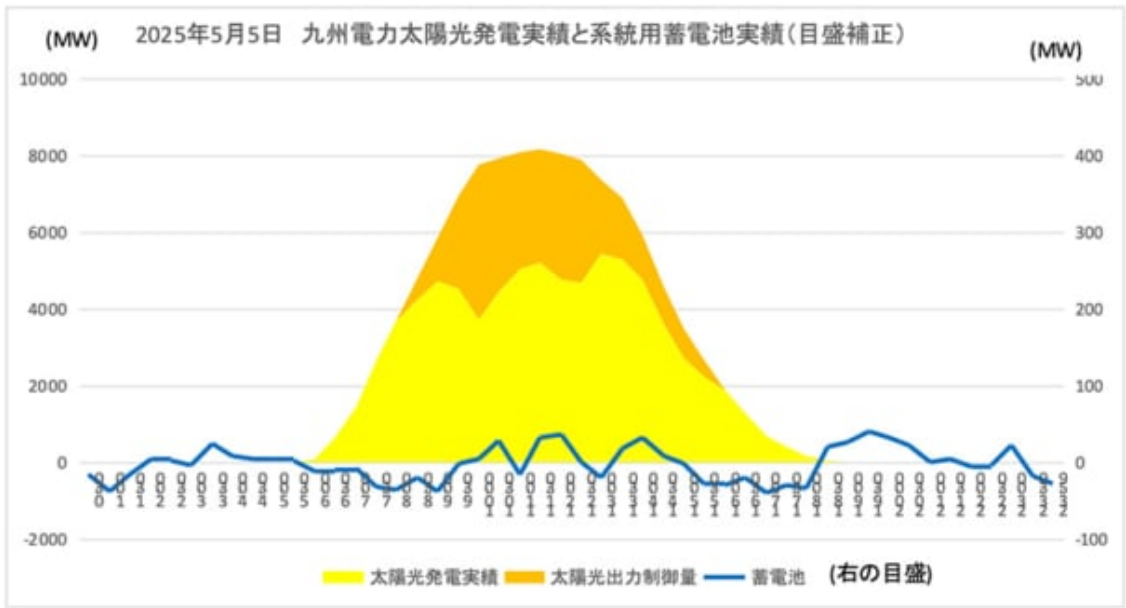
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Posted in ??????????, ??? | [No Comments »](#)

## ?????UNFCCC????????????????

?? ?? · Thursday, February 12th, 2026



The White House??





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### 4.4.2.2 CO2 capture and storage

#### 4.4.2.2.1 CCS

CCS is a technology that captures CO2 from large point sources and transports it to a storage site.

CO2 capture can be achieved through pre-combustion, post-combustion, or oxy-fuel processes. Pre-combustion involves gasification of coal or biomass, while post-combustion involves capturing CO2 from flue gases. Oxy-fuel processes involve burning fossil fuels in an oxygen-rich environment, resulting in a CO2-rich stream that is easier to separate.

#### 4.4.2.2.2 Storage

CCS systems are categorized into pre-combustion, post-combustion, and oxy-fuel. Pre-combustion CCS involves gasification of coal or biomass, producing a gas stream that is then captured. Post-combustion CCS involves capturing CO2 from the flue gas of a fossil fuel combustion process. Oxy-fuel CCS involves burning fossil fuels in an oxygen-rich environment, resulting in a CO2-rich stream that is easier to separate. The International Energy Agency (IEA) estimates that CCS capacity will reach 400 million tonnes per year by 2030, with a total of 2.8 billion tonnes per year by 2050.

#### 4.4.2.2.3 Storage capacity

Feasibility studies are conducted to assess the technical and economic viability of CCS projects. These studies typically evaluate the capture rate, energy penalty, and storage capacity of the system. The storage capacity of a CCS system is determined by the geological characteristics of the storage site, including the porosity and permeability of the rock formations.

#### 4.4.2.2.4 Storage costs

- The cost of CCS is currently high, ranging from \$30 to \$100 per tonne of CO2 captured.

DOGE is a software tool used for the design and optimization of CCS systems. It allows users to define the process parameters and constraints, and then optimizes the system to minimize costs and maximize efficiency.

### 4.4.3.2.2 CO2 capture and storage

#### 4.4.3.2.2.1 CCS

CO2 capture and storage (CCS) is a technology that captures CO2 from large point sources and transports it to a storage site.

PDCA (Plan-Do-Check-Act) is a continuous improvement cycle used in various industries. In the context of CCS, it involves planning the capture and storage process, implementing it, checking the results, and acting on any deviations to improve the system.

#### 4.4.3.2.2.2 Storage

The storage capacity of a CCS system is determined by the geological characteristics of the storage site, including the porosity and permeability of the rock formations. The International Energy Agency (IEA) estimates that CCS capacity will reach 400 million tonnes per year by 2030, with a total of 2.8 billion tonnes per year by 2050.

The cost of CCS is currently high, ranging from \$30 to \$100 per tonne of CO2 captured.

#### 4.4.3.2.2.3 Storage costs

The cost of CCS is currently high, ranging from \$30 to \$100 per tonne of CO2 captured. This is due to the high capital costs of the capture and storage infrastructure, as well as the relatively low volume of CO2 captured compared to other industrial processes.

### 4.4.3.2.3 CO2 capture and storage

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

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?? ?? · Friday, February 6th, 2026



metamorworks/iStock

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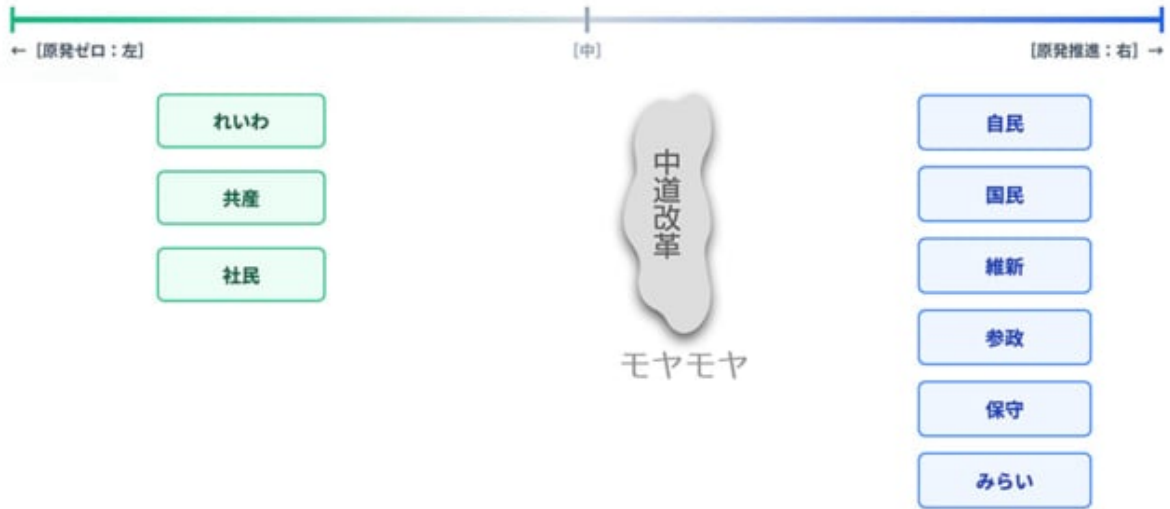
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# 原発政策における政党相関図



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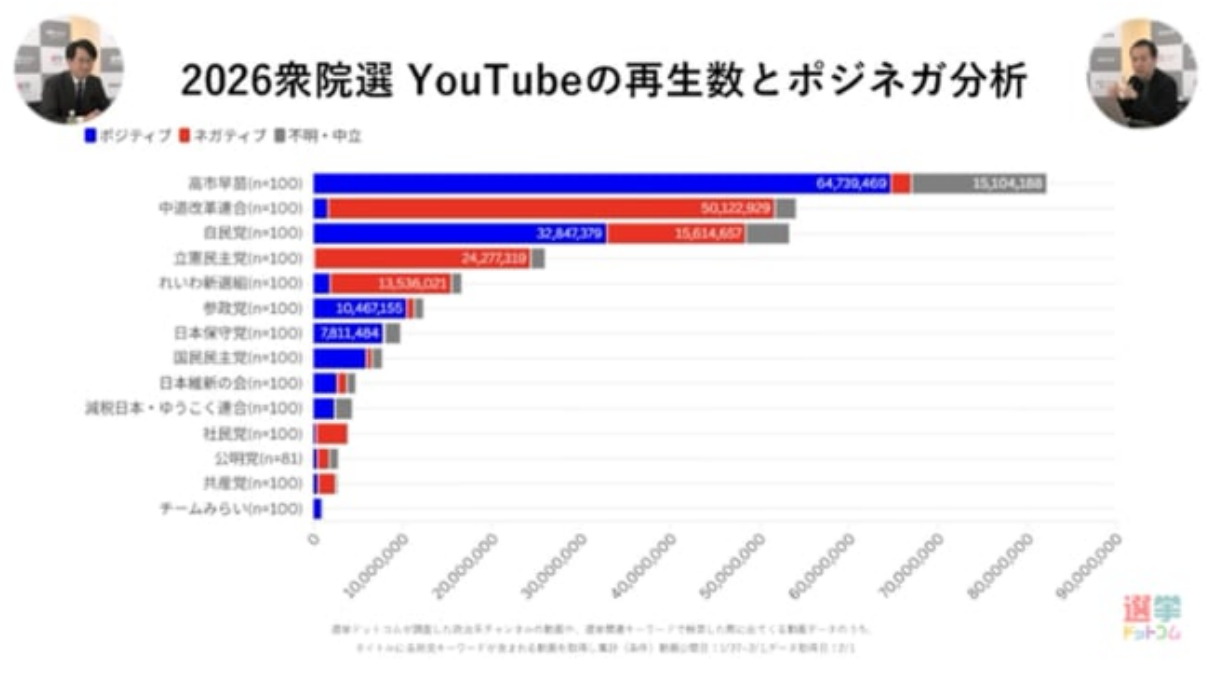
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Posted in ??????????, ??, ?? | [No Comments »](#)

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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

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**Net Zero Financial Service Providers Alliance Disbands – ESG Today**

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

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[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](#)
[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。

- ① Net Zero Financial Service Providers Alliance [🔗](#)
- ② 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???????? | ??????????



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

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?? ?? · Saturday, January 31st, 2026



stock\_colors/iStock

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**As Davos Convenes, Deference to Trump Has Replaced Everything**



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**At Davos, Talk of Climate Change Retreats to the Sidelines**



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**Davos' climate resignation**

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Nastco/iStock

??America Out Loud News ??“The transition to net-zero emissions is a tax on the air you breathe”??????

????Ronald Stein P.E.??Willie Soon Ph.D.??

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