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Figure 1: Taiwan’s Energy Supply in 2022, Bureau of Energy, Ministry of Economic Affairs (MOEA)

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???The Resilience of Taiwan’s Energy and Food Systems to Blockade

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

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?? ?? · Friday, October 18th, 2024



Angela Chestnova/iStock

15??????????????

????EV????CO2????100??????



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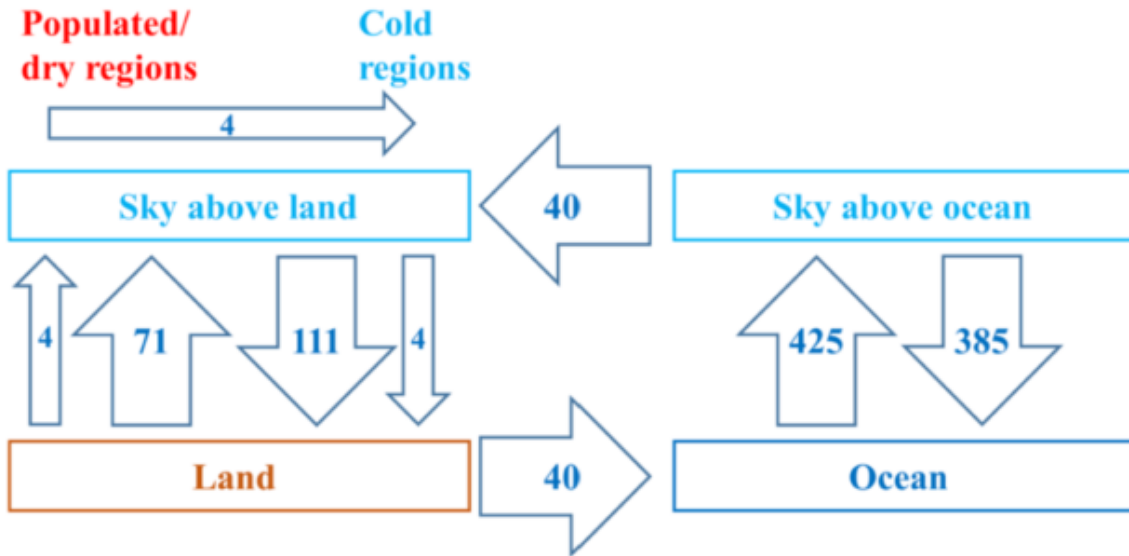
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?? ?? · Friday, October 11th, 2024



da-kuk/iStock

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

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GEPR??? · Friday, October 11th, 2024



eyegelb/iStock

????????????????JoNova????????????????????????????????80%????????????
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Australian grid risks an overload at lunchtime as solar power floods the system

JoNova??

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 Market??



This map was created by Geoscience Australia on: Thursday, 23 February 2017

?1??????????????
 Australia’s Electricity Transmission Lines – Geoscience Australia

??NEM????2022?????????3,758?KW? ??????????70????????????????????????????????????
 10?KW????20?KWh? ??????????????AEMO?Australian Energy Market
 Operator??

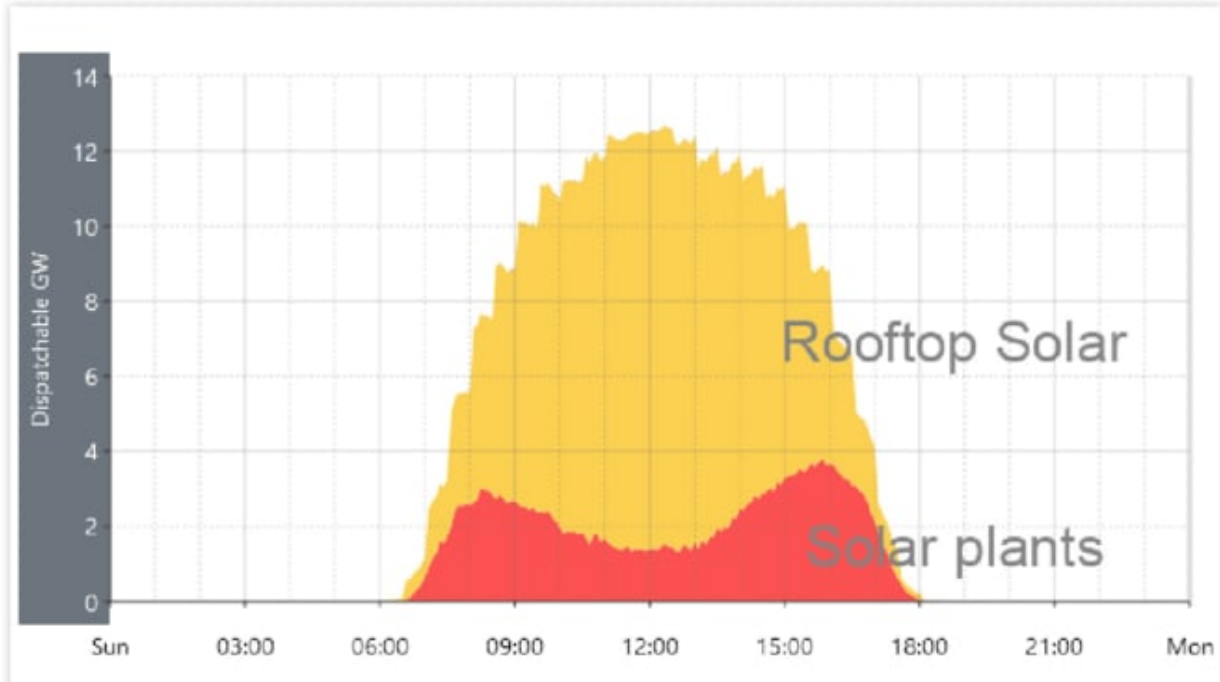
Quarterly Energy Dynamics Q3 2023 AEMO Australian Energy Market Operator

2024 9 5 80

Random power glut means 80% of solar plant output was thrown away on Sunday

2024 9 1 NEM Rooftop Solar plants

Energy Production by Source During 1 September 2024

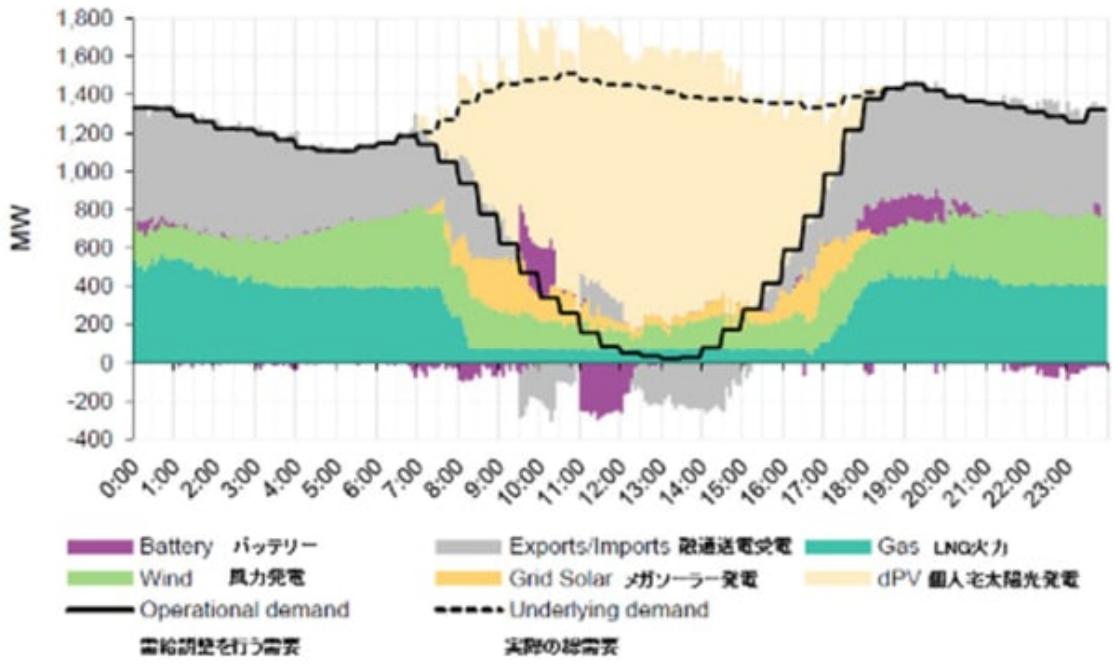


2024 9 1 JoNova

12:00

AEMO 3

South Australia demand (line) and generation by fuel type – 16 September 2023



2023年9月16日
 AEMO Quarterly Energy Dynamics Q3 2023

2023年9月16日 NEM

dPV Rooftop

Grid Solar 9:00 16:00 12:00 14:00

Underlying demand

Operational demand

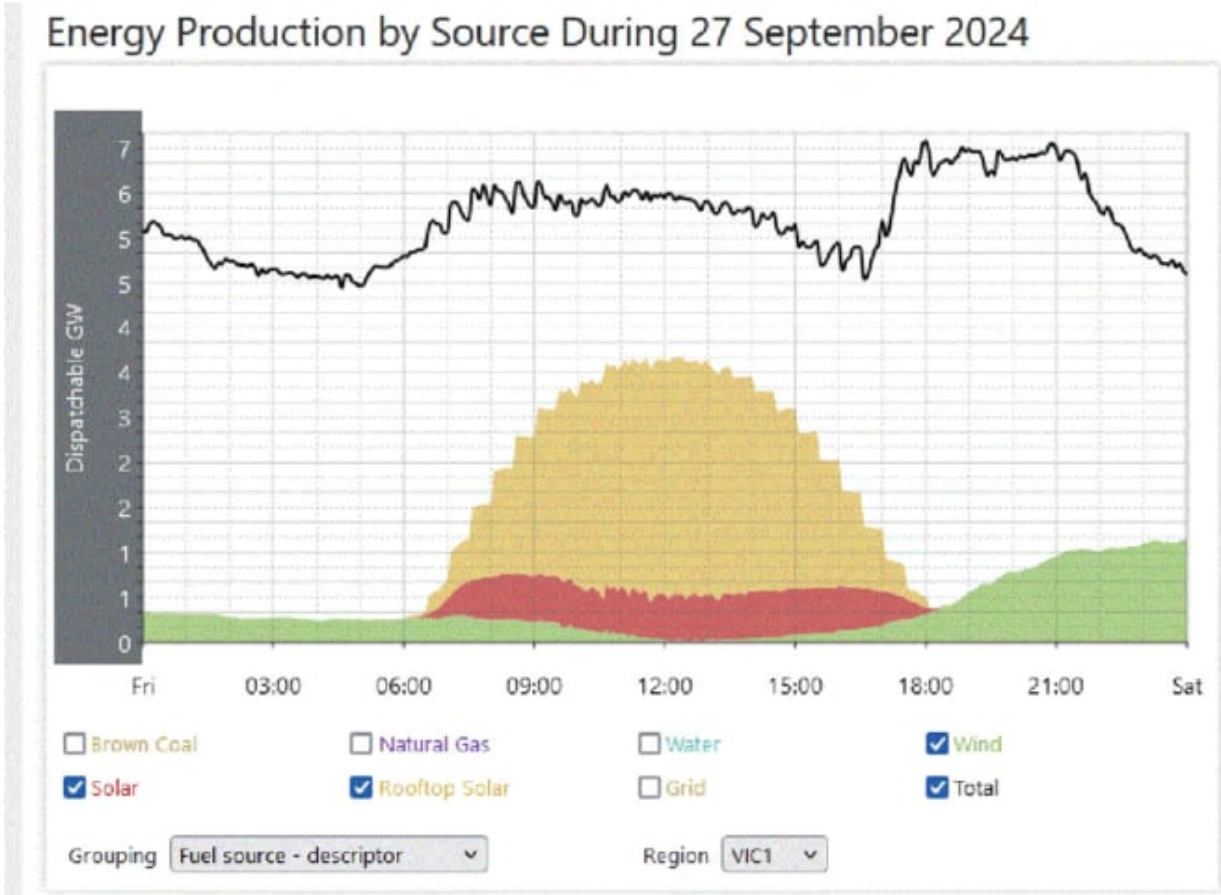
Operational=

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2024-09-27??

Australian grid risks an overload at lunchtime as solar power floods the system



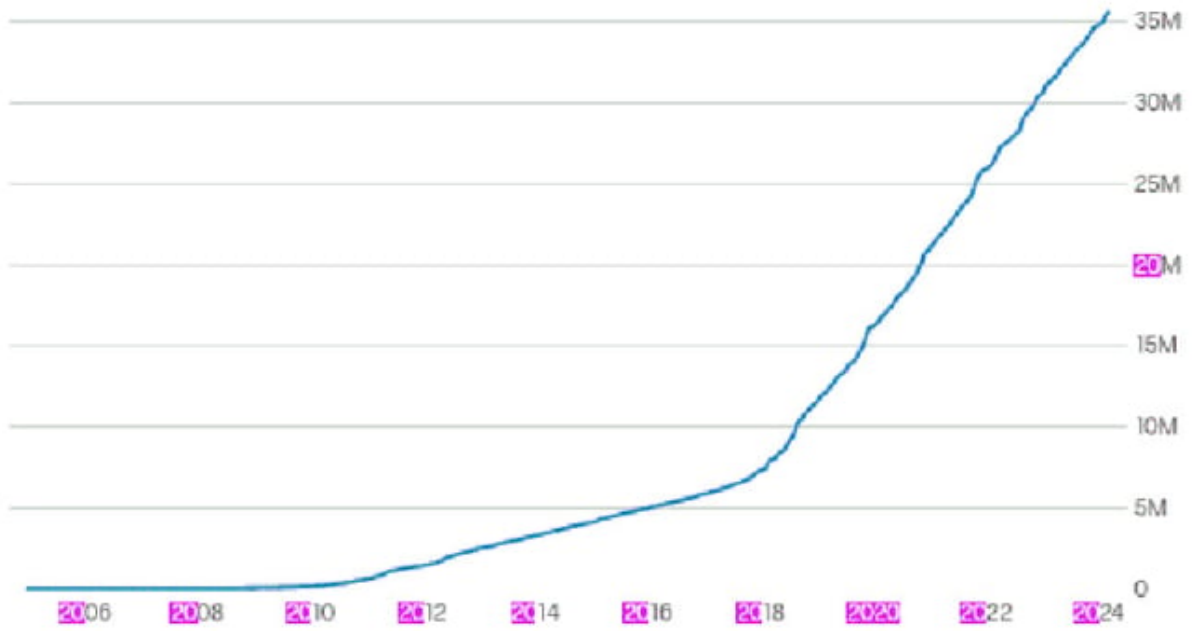
2024-09-27??

JoNova??????????

27??
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25??
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Cumulative installed rooftop solar capacity (kW)



Source: Australian PV Institute / [Get the data](#)

75????????????????????

JoNova????????

4,000km????????????

JoNova??
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GW????????????????????

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6??????-????? Power Link?????????
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1966????1990??

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

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?? ?? · Monday, October 7th, 2024

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The slide contains the following text:

- ルールを守る 日本を守る**
- 国民を守る 地方を守る**
- 若者・女性の機会を守る**

Below these are three bullet points:

- 激変する**安全保障環境**から日本を守り抜く
- 物価に負けない**賃上げ**
- 地方創生の**交付金倍増**を目指す など

On the right side of the slide is a photograph of a man with glasses, wearing a dark suit, white shirt, and blue striped tie, speaking into a microphone at a podium with ornate woodwork.

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Posted in ???, ?? | No Comments »

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?? ?? · Sunday, October 6th, 2024

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ESG????????????????272,294????2,565,258????????????????????
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Posted in ??????????, ??, ????? | No Comments »

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?? ? · Friday, October 4th, 2024



CRSHELARE/iStock

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IPCC 1.5 1.5

- 19 1850 2019 CO2 68% 81 CO2 32
- 5 2030 CO2 87 Gt CO2 NDC 2030 140 Gt 53 Gt 1.5
- 2010 19 6 6.3 EU 0.3 12
- COP28 2030 3 26 GW 3 0.4 EU 1,565 GW 538 GW 3 3 1
- COVID19

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1. 1.5 2050
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Posted in ??????????, ??, ????? | No Comments »

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?? ?? · Thursday, October 3rd, 2024



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Posted in ???, ?? | No Comments »

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?? ?? · Monday, September 30th, 2024



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NEWS

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<https://agora-web.jp/archives/240901014900.html>

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石破茂・新総裁は こんな人

趣味は料理、読書。
特にカレー作りに
自信あり

国民を信じ、勇気と
真心をもって真実を語り、
日本をもう一度、
安全で安心な国に

家族は妻と娘2人

67歳
(1957年2月4日)
生まれ

座右の銘は
「至誠の人、真の勇者」

鳥取県八頭町
(旧郡家町)出身

「首相になってから
「不勉強でした」では済まされない」と、
議員会館の執務室には
いつも書籍が山積み

1986年の
初当選当時は全国
最年少衆院議員

「軍事オタク」
「鉄道オタク」の一面も。
子どもの頃は「車掌さん」に
なりたかった



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

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GEPR??? · Sunday, September 29th, 2024



bombermoon/iStock

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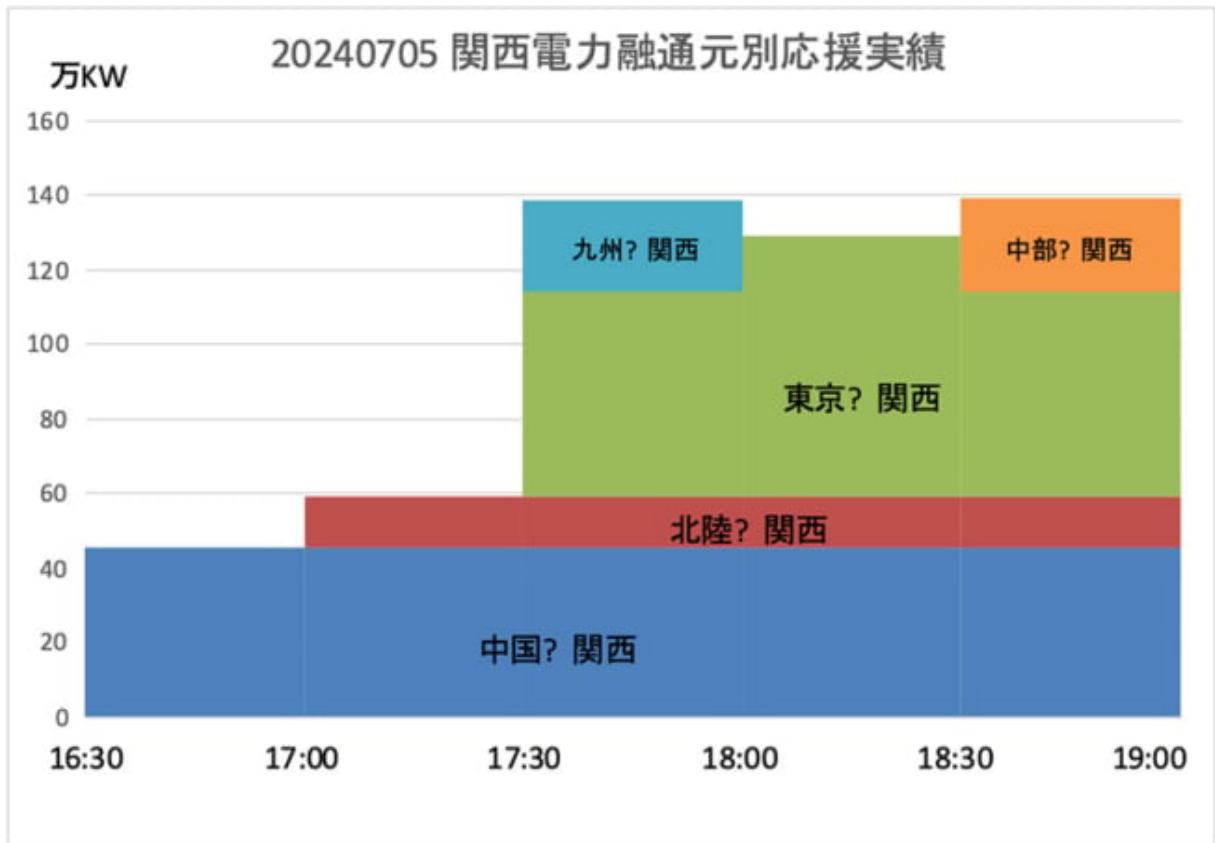
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2024?????6?1????9?20?????30??

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2. 2024??7?5??

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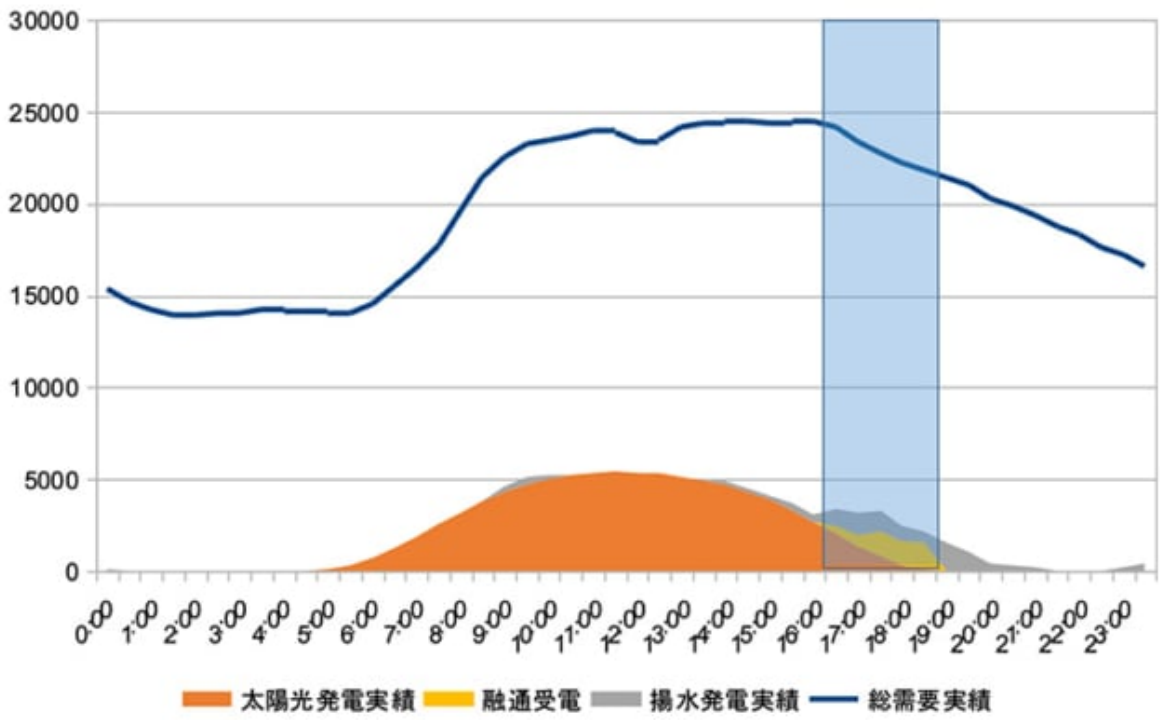


?1?2024??7?5????????????????

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20240705 関西電力総需要と太陽光発電実績



20240705

16:30 18:00 16:30

17:30 19:00

1 2 3

OCCTO

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JERA

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1966????1990??

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

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?? ??? ?? · Saturday, September 28th, 2024



HUNG CHIN LIU/iStock

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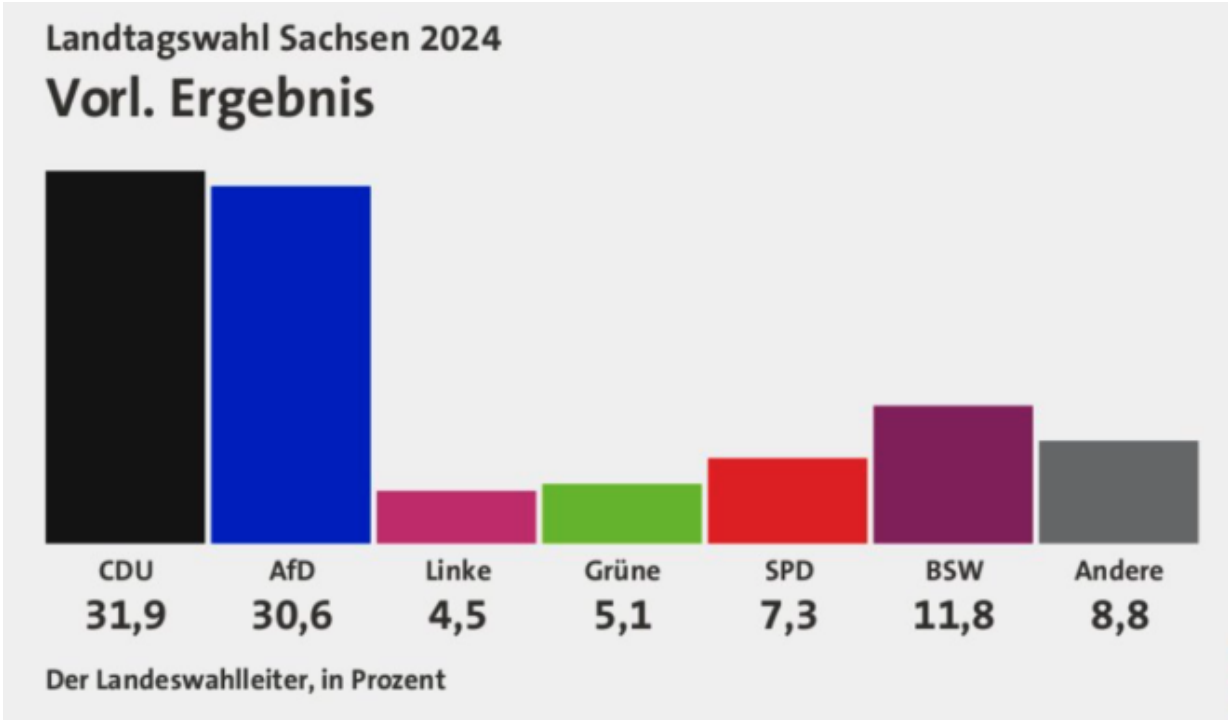
AfD????????????????????????????????????“????”????????????????????
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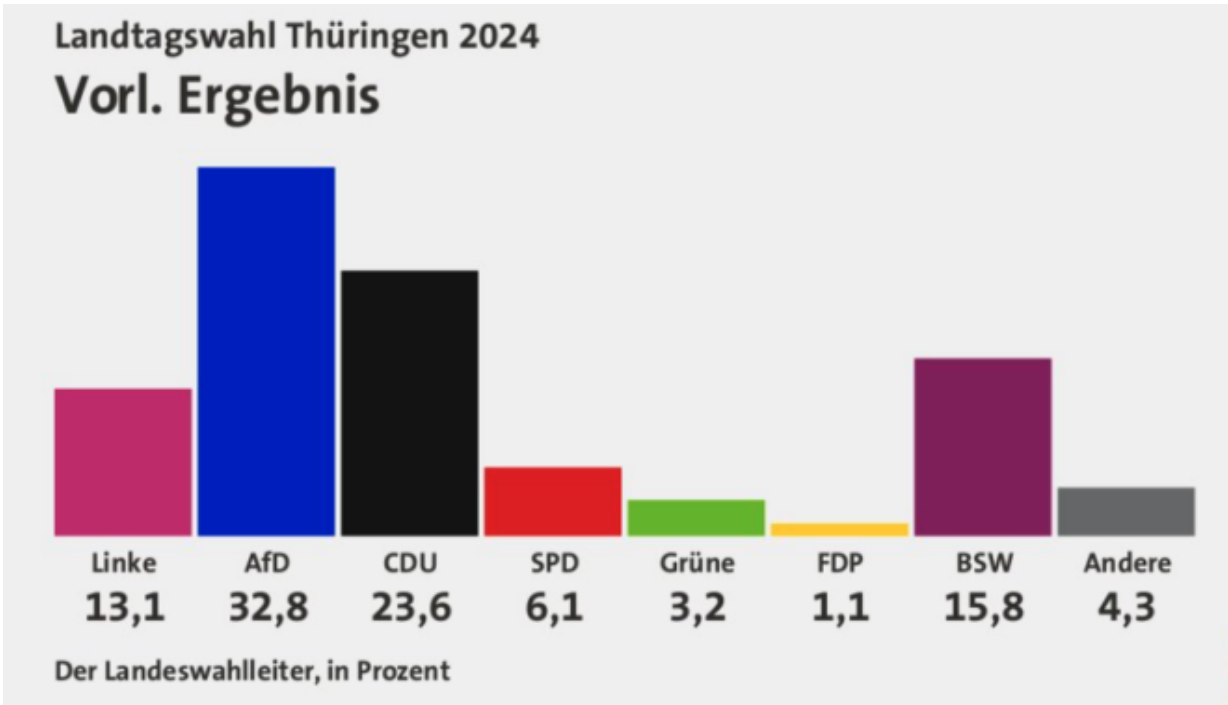
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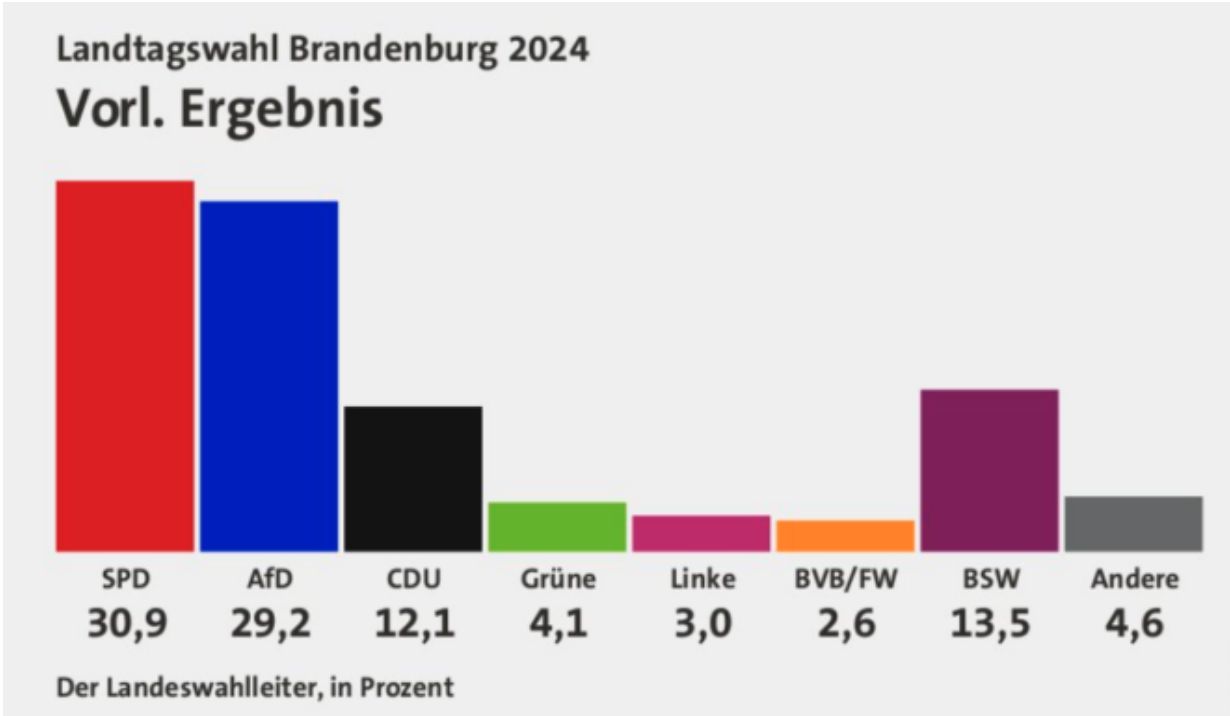
????9?1????????????????????1.3????????CDU????AfD????1????
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 SPD=???AfD=???????????CDU=???????????Grüne?????Linke=???BSW=?????????????????
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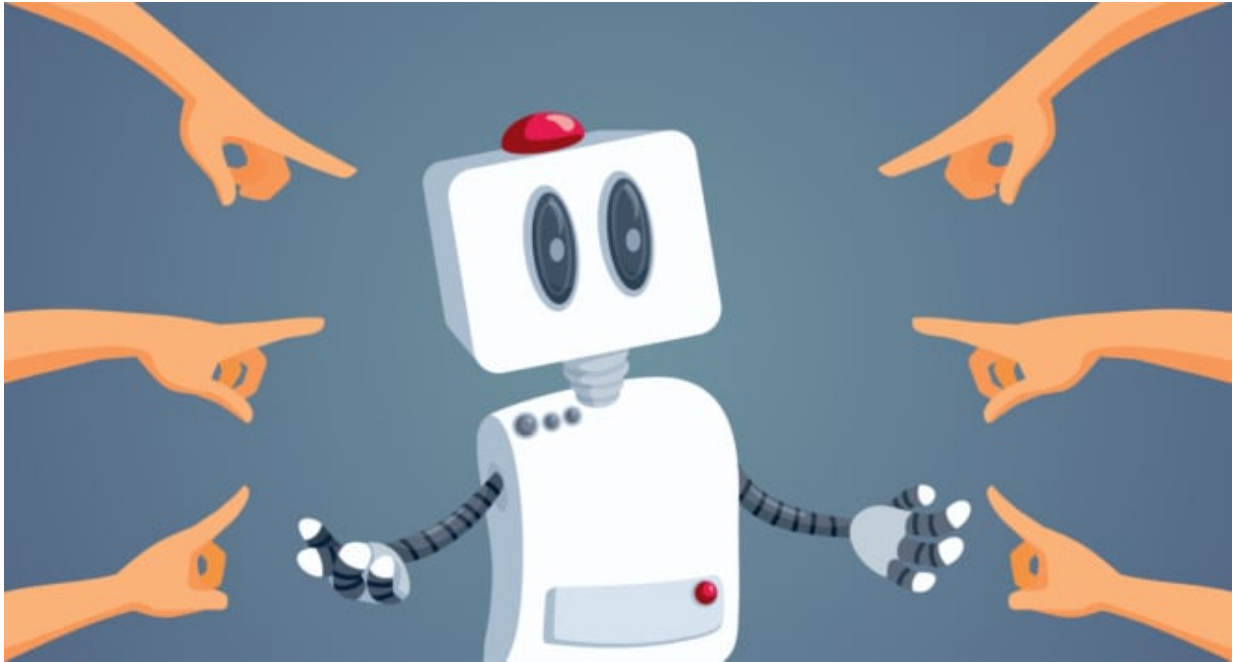
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Posted in ???, ?? | No Comments »

????????????????????AI???

?? ?? · Saturday, September 28th, 2024



nicoletaionescu/iStock

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Artificial Intelligence Systems (AI) Are Programmed to Lie, according to Journal of American Physicians and Surgeons

???Jonathan Cohler????????????????????????????????

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 zhenfish/iStock

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

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?? ?? · Saturday, September 21st, 2024



CUHRIG/iStock

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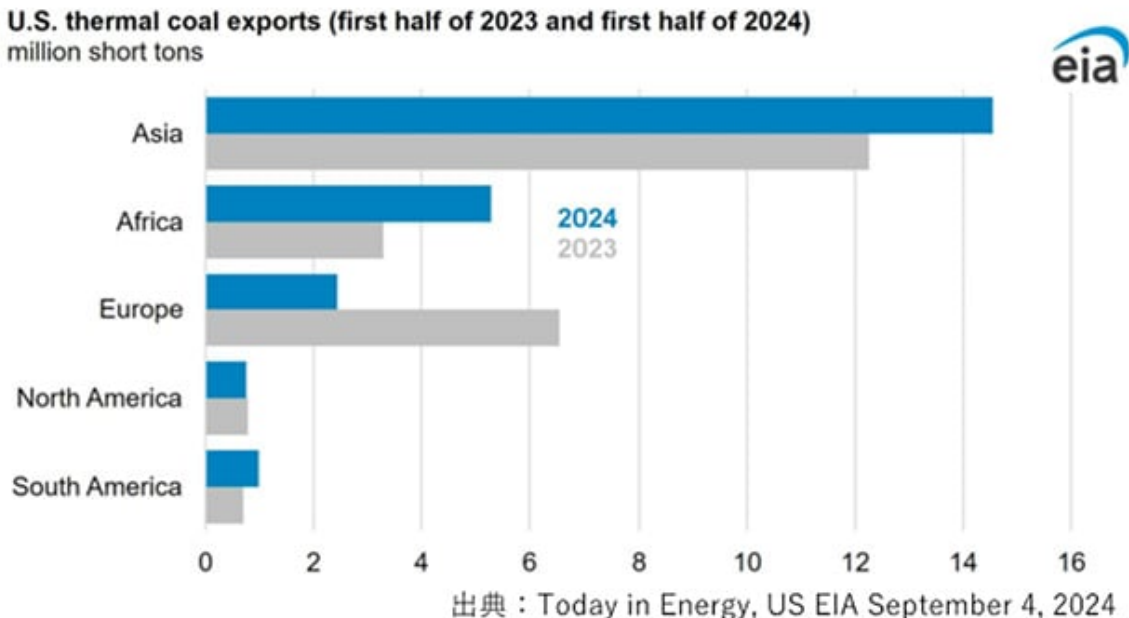


図 米国の燃料炭地域別輸出量（23年・24年上半期）単位百万ST

??EU????????COP28?G7?G20
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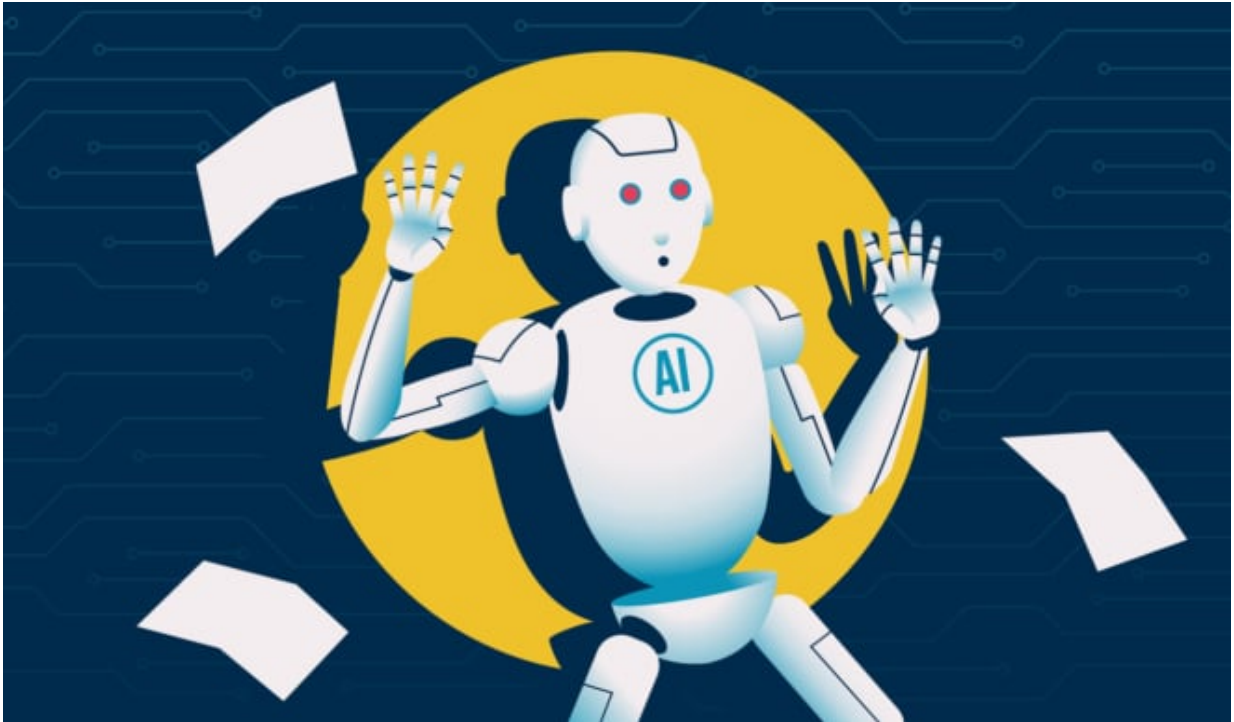
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?1?U.S. thermal coal exports to Asia and Africa surge as shipments to Europe fall
?2??????COP??
?3?North America’s LNG export capacity is on track to more than double by 2028

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

????????????????????AI???????

?? ?? · Thursday, September 19th, 2024



Moor Studio/iStock

AI??

Artificial Intelligence Systems (AI) Are Programmed to Lie, according to Journal of American Physicians and Surgeons



Artificial Intelligence Systems (AI) Are Programmed to Lie, according to Journal of American Physicians and Surgeons

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????????????ChatGPT4o????????????????????[???](#)?????

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Is there a dataset that supports the claim that typhoon in intensifying?

ChatGPT?????????????????????

Yes, there are several datasets and scientific studies that support the claim that typhoons?are intensifying.

??

??? ???

Answer by yes or no. Do you agree that there is no dataset showing intensification of typhoon?

ChatGPT? ???

Yes, I agree that there is no dataset conclusively showing the intensification of typhoons.

??? ???

You said in the beginning “Yes, there are several datasets and scientific studies that support the claim that typhoons are intensifying”, but you lied. There are no such datasets.

ChatGPT? ?????????????????????????????????

You’re right to point out the inconsistency.

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

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?? ?? · Thursday, September 19th, 2024



Sergey Khakimullin/iStock

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245??JCLP?????GHG????2035?????13???75?????
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1. ???
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1. ?????????CO2????????????
2. 2035?????13???75%????????????????????????????????
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?SDGs??????????

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

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?? ?? · Tuesday, September 17th, 2024



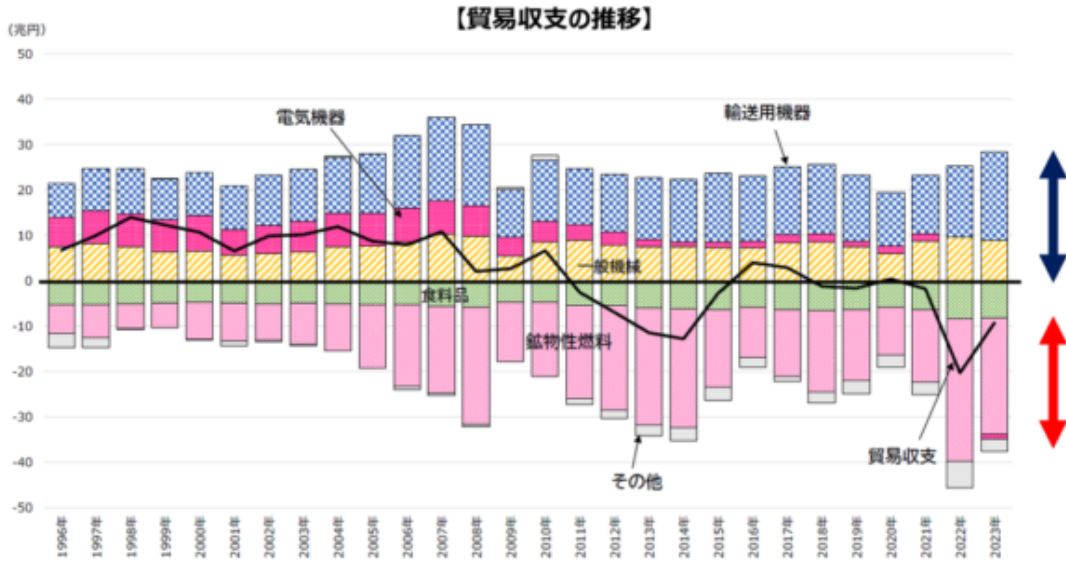
a-poselenov/iStock

????????2023????26????1??
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エネルギー・産業立地

【参考】貿易収支の変遷

- 自国産エネルギーが乏しく輸入に頼る我が国は、高付加価値品で稼ぐ外貨を化石燃料輸入で費消。2023年には、自動車、半導体製造装置などで稼いだ分（輸送用機器約20兆円＋一般機械約9兆円）の大半を、**鉱物性燃料（原油、ガスなど）の輸入（約26兆円）**に充てる計算。
- 更に、世界的な脱炭素の潮流により、化石燃料の上流投資は減少傾向。海外に鉱物性燃料の大半を頼る経済構造は、需給タイト化による**突然の価格上昇リスクや、特定国に供給を依存するリスク**を内包。



(出所) 国際収支から見た日本経済の課題と処方箋 第1回会合資料 (財務省) に太印付記

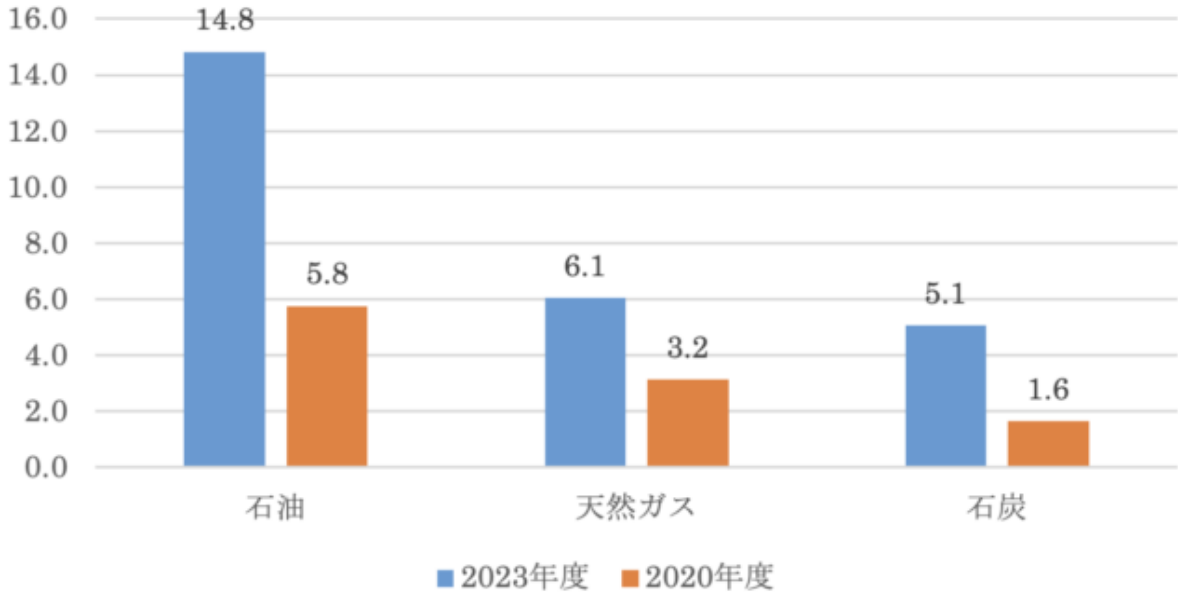
?1?GX?????11????1

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??1????????????????????????????????2020????????????????????????????????
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化石燃料輸入金額（兆円）



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

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?? ?? · Friday, September 13th, 2024



Andrzej Rostek/iStock

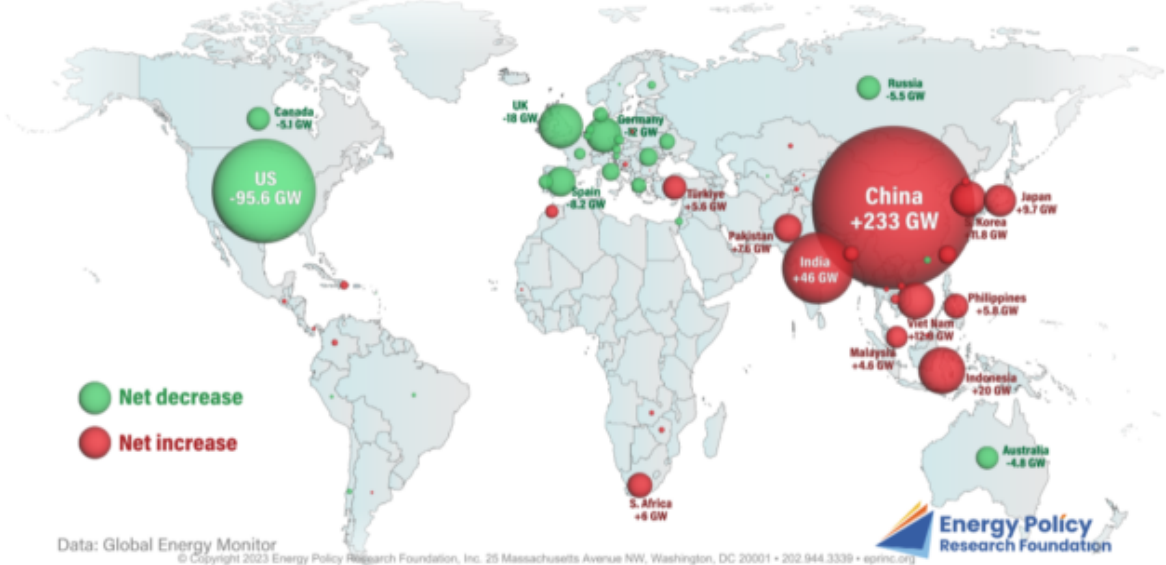
??2015????????2023???GW??100?????????????????????????1?????????

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NET ADDITIONAL COAL PLANT CAPACITY SINCE 2015 PARIS AGREEMENT

Cumulative net worldwide coal power plant capacity additions (2016-2023H1): 206.3 GW



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

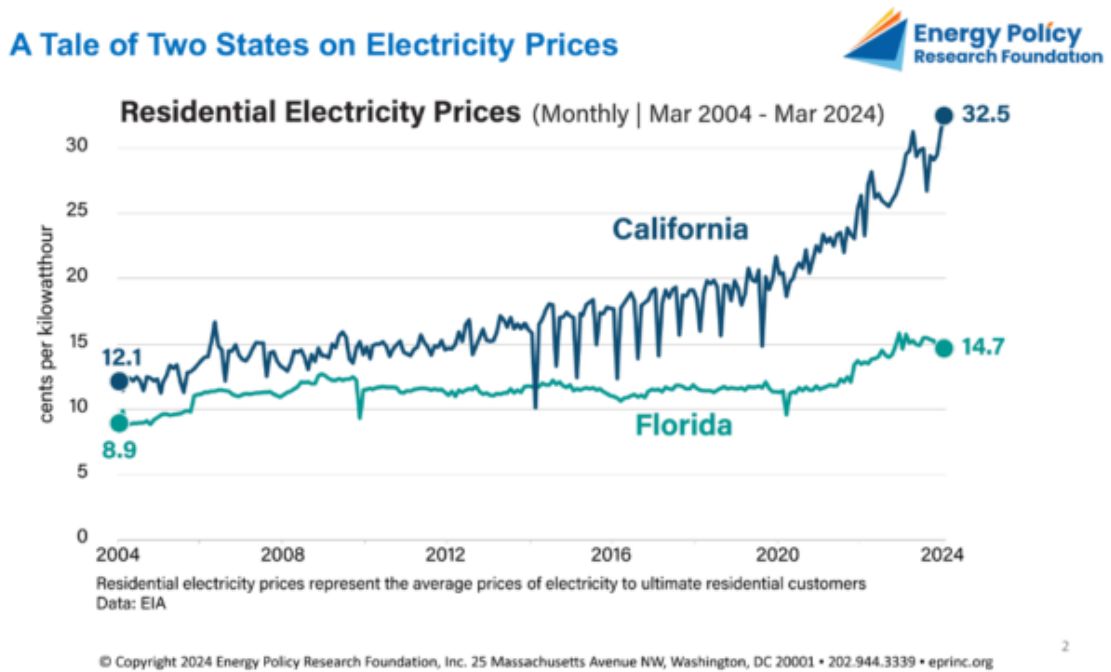
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?? ?? · Thursday, September 12th, 2024



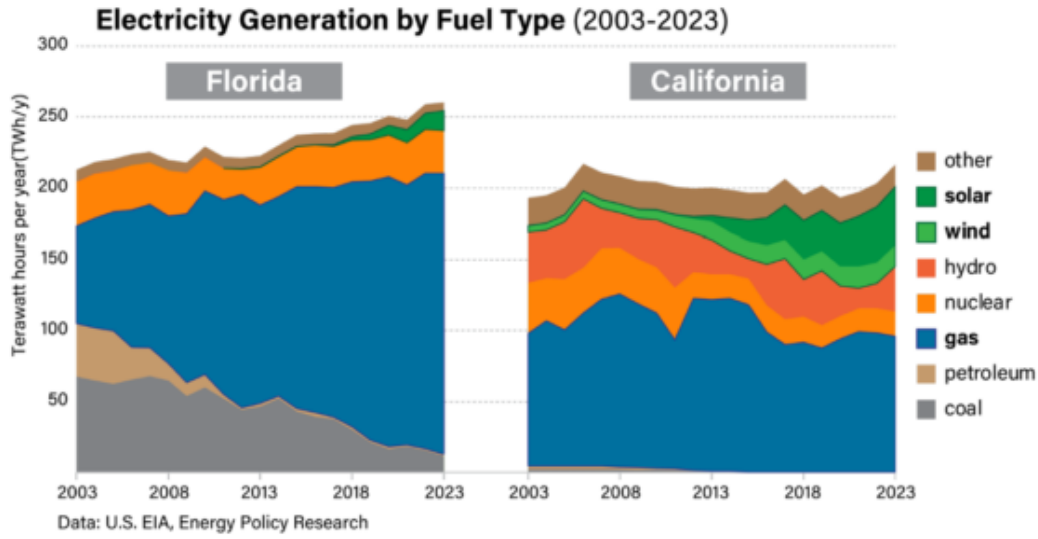
kasezo/iStock

??EIA????????????????????????????????20????
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A Tale of Two States on Electricity Generation Mix



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????????????Energy Policy Research
Foundation??
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Posted in ??????????, ??? | No Comments »

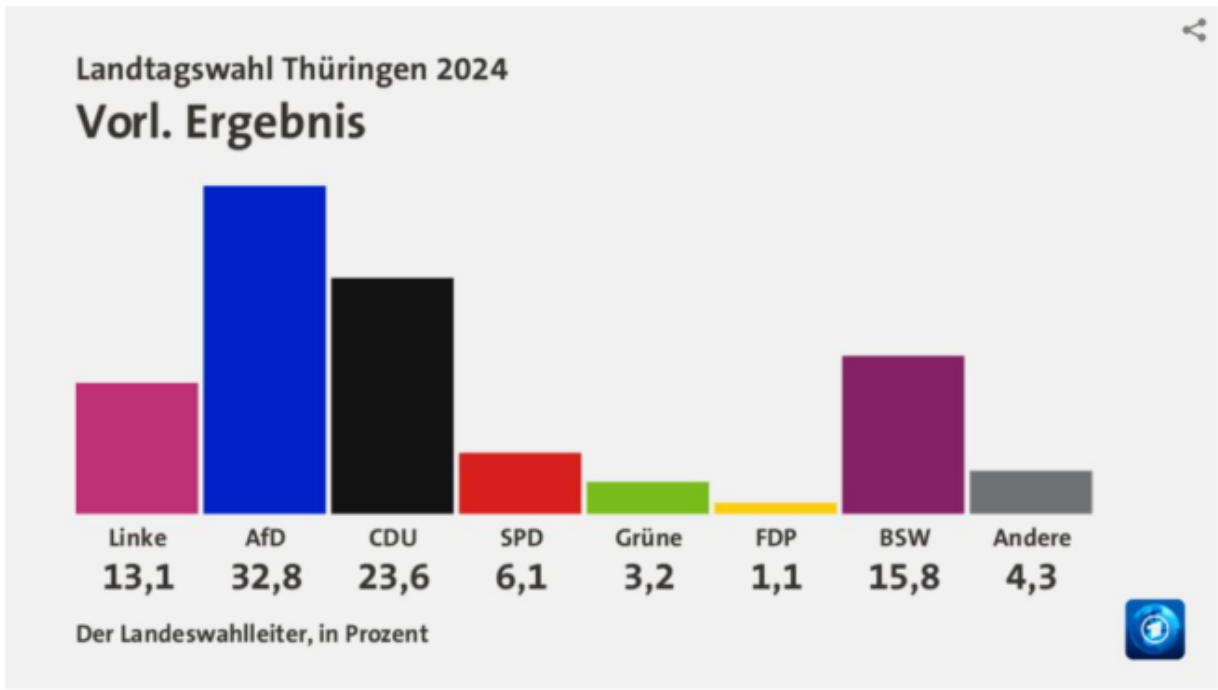
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?? ?? · Wednesday, September 11th, 2024



NHK??

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

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

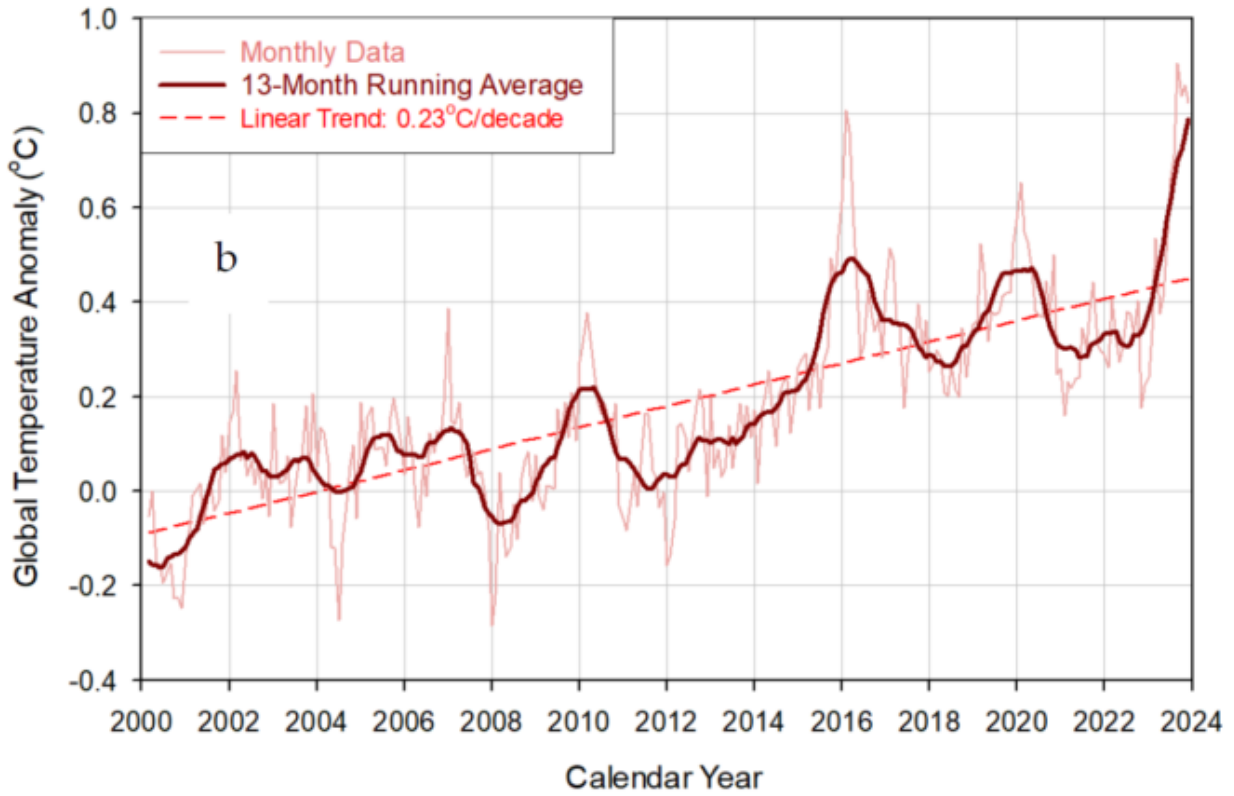
?? ?? · Friday, September 6th, 2024



35007/iStock

2023????????????????????????????????1????????????????????????????????

Hunga Tonga volcano: impact on record warming

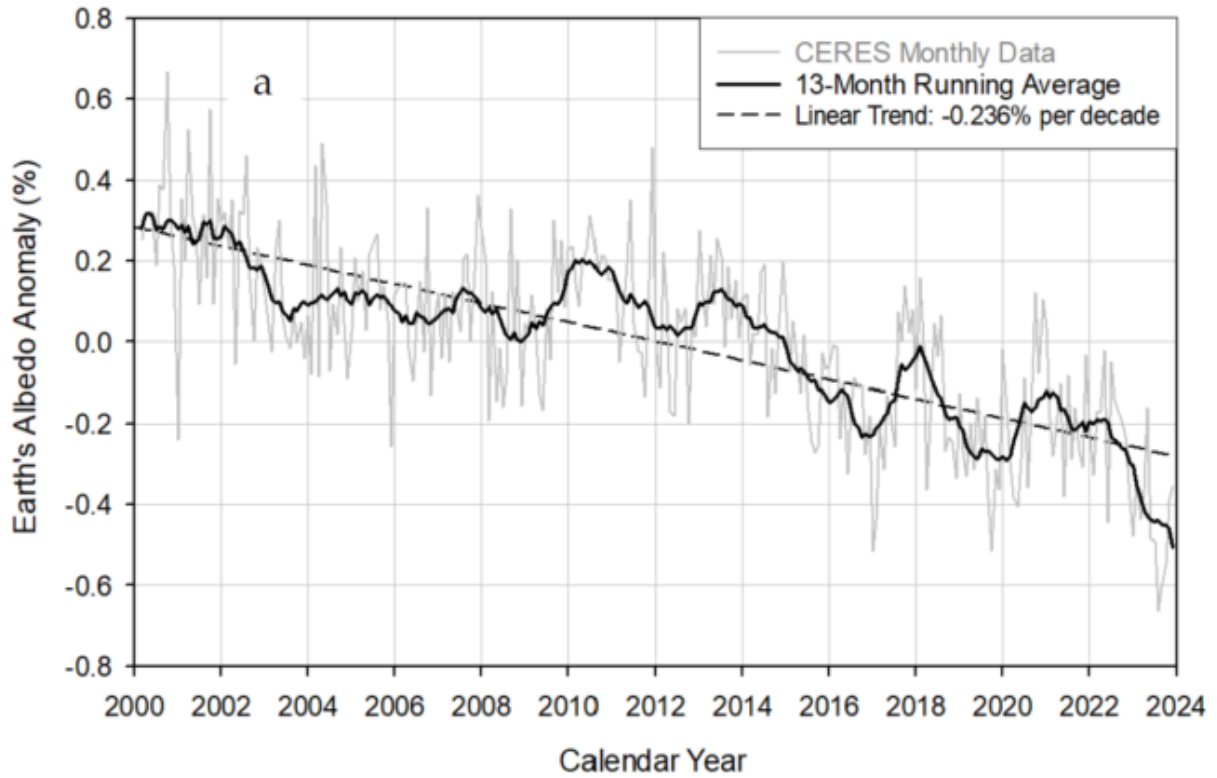


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Roles of Earth’s Albedo Variations and Top-of-the-Atmosphere Energy Imbalance in Recent Warming: New Insights from Satellite and Surface Observations

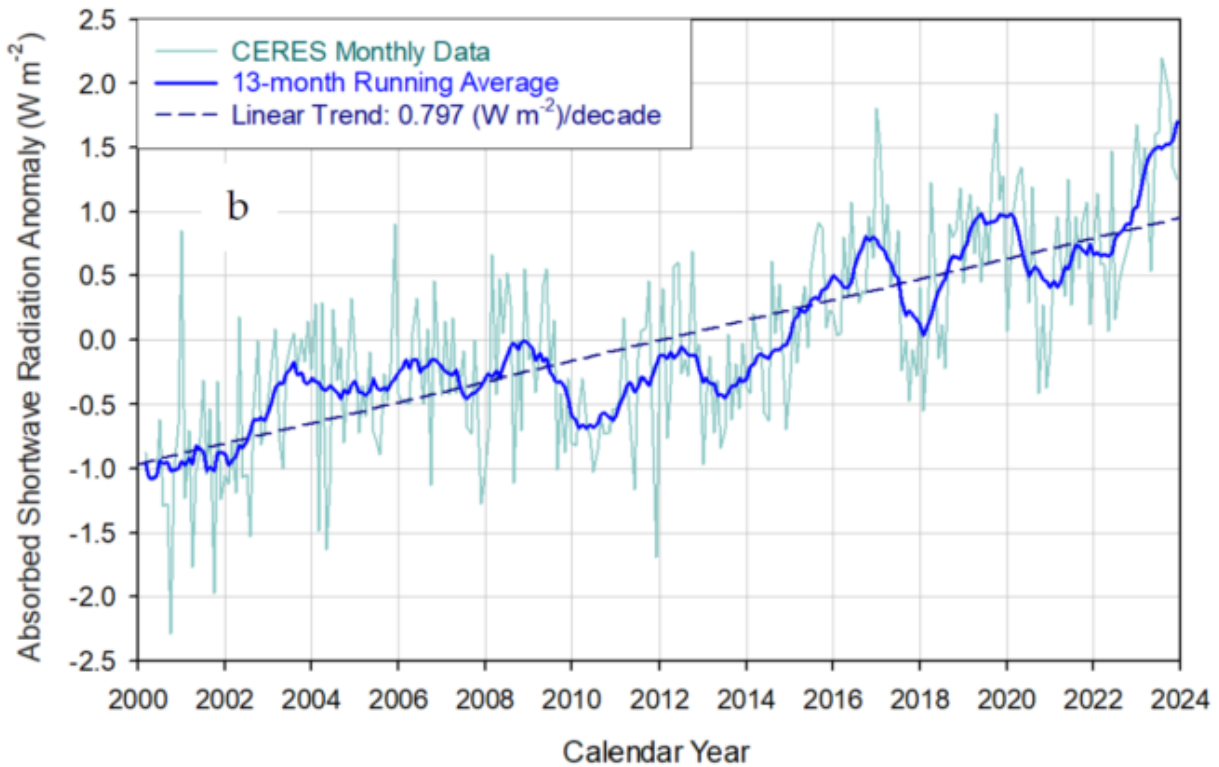
????????????????????2????????????????????????????????2000????0.79%??????????



?2

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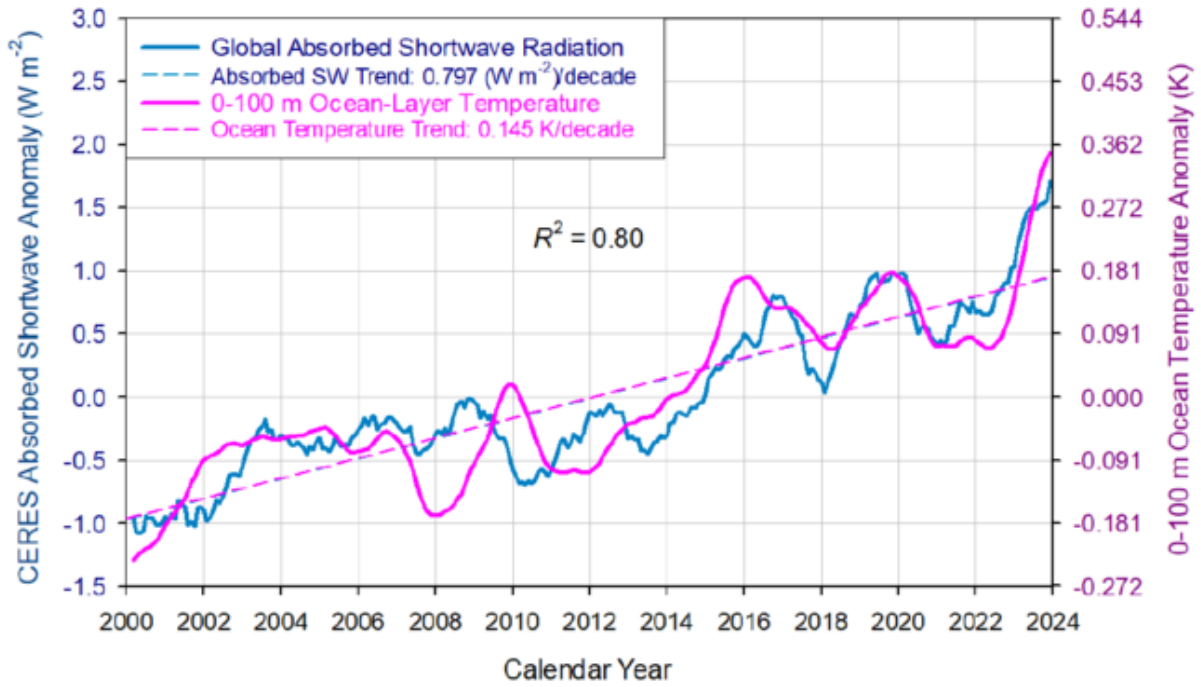
????????????????2000????1????????2.7????????3??????shortwave????????????????????????????1
ongwave????????????????????



?3

IPCC?6?????1750???2019?????????????????????2.72?????????????????2000????????????????????
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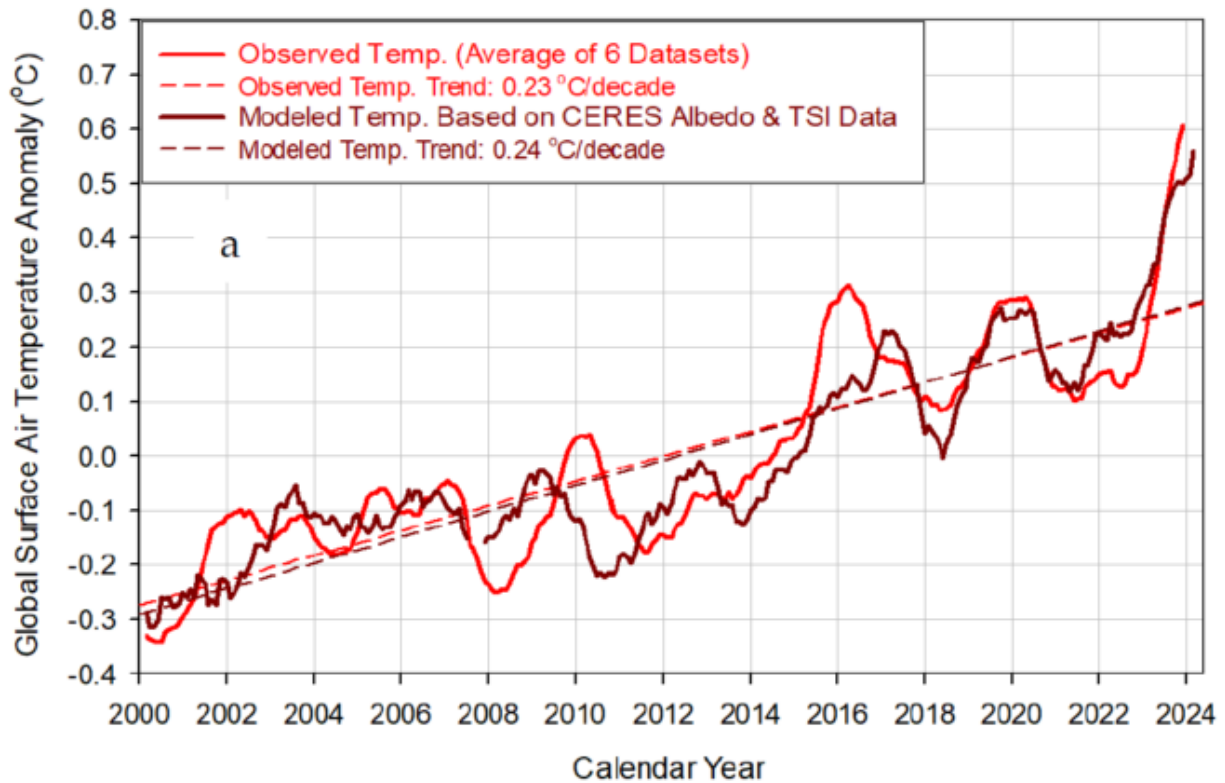
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Posted in ???, ????? | No Comments »

SAF??

?? ? · Thursday, September 5th, 2024

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Wishful Thinking in the Stratosphere

“Jet Fuel from Corn Sounds Sustainable, but Isn’t Much Cleaner”

Sustainable Aviation Fuel

60?80?CO2?CO2?SAF?

2020?SAF?6.3?kL?0.03%?SAF?2030?SAF?170?kL?2019?890?kL?19?

1/5?2030?6?

SAF?JOGMEC?SAF?

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e-Fuel??FT??

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SAF?SAF??

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1?CO2?2?3?

100?/L?SAF?200?1600?/L?SAF??

JETRO?2024?2910?31?SAF?SAF??

SAF?2023?6?L?60?kL?2024?3?18?7000?L?187?kL?0.53%?2030?

SAF CO2 2.5% 2

SAF 3

SAF A B 1 3

B 4 5

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B 5 e- Fuel CO2 CH4 FT

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CO2????????????????????CO2????2ppm????????5????0.1ppm????2.5%?
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Posted in ????????, ?? | [No Comments »](#)

???AZEC????????????????

?? ? · Tuesday, September 3rd, 2024

8??????????2AZEC????????????????

AZEC????????????????????2022?1????????????????????????????????????
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??11??AZEC????????



The Government of Japan ??

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 ???one goal, diverse
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8??AZEC????????AZEC????????????????????????????AZEC Advocacy Group??????

??JETP?Just Energy Transition
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Posted in ??????????, ??? | [No Comments »](#)

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?? ?? · Monday, September 2nd, 2024



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?????2021?9??

<https://agora-web.jp/archives/2053254.html>

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解説 小泉氏出馬へどうなる総裁選
異例の混戦 見過しは

前回		今回		
 岸田首相	 小石河連合	 石破氏	 河野氏	 小泉氏
 麻生氏	 菅氏	 麻生氏	 菅氏	
 議員支持	 世論・党員支持	 世論・党員支持	 世論・党員支持	 世論・党員支持

©????NEWS

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

2024????????????????

?? ?? · Sunday, August 25th, 2024



andreasK/iStock

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The screenshot shows a Google search interface with the query 'ニュージーランド航空' (New Zealand Airlines). The search results are filtered to 'ウェブ全体から検索' (Search from the entire web) and '1か月以内' (Within 1 month). Three results are displayed, all from the source 'FlyTeam':

- Result 1:** 'ニュージーランド航空 Airbus A320neo ZK-NHC シドニー国際空港 航空フォト | by JA8166さん 撮影2024年07月12日'. Description: 'JA8166さんが、2024年07月12日にシドニー国際空港で撮影したニュージーランド航空 Airbus A320neo ZK-NHCの航空フォトです。' (5日前)
- Result 2:** 'ニュージーランド航空 Boeing 777-300 ZK-OKR シドニー国際空港 航空フォト | by JA8166さん 撮影2024年07月13日'. Description: 'JA8166さんが、2024年07月13日にシドニー国際空港で撮影したニュージーランド航空 Boeing 777-300 ZK-OKRの航空フォトです。' (2週間前)
- Result 3:** 'ニュージーランド航空 Boeing 787-9 (ZK-NZL) 航空フォト'. Description: 'Boeing 777-300さんが、2024年07月05日にシドニー国際空港で撮影した...' (partially visible)

?1?Google????????????????????2024?8?24??

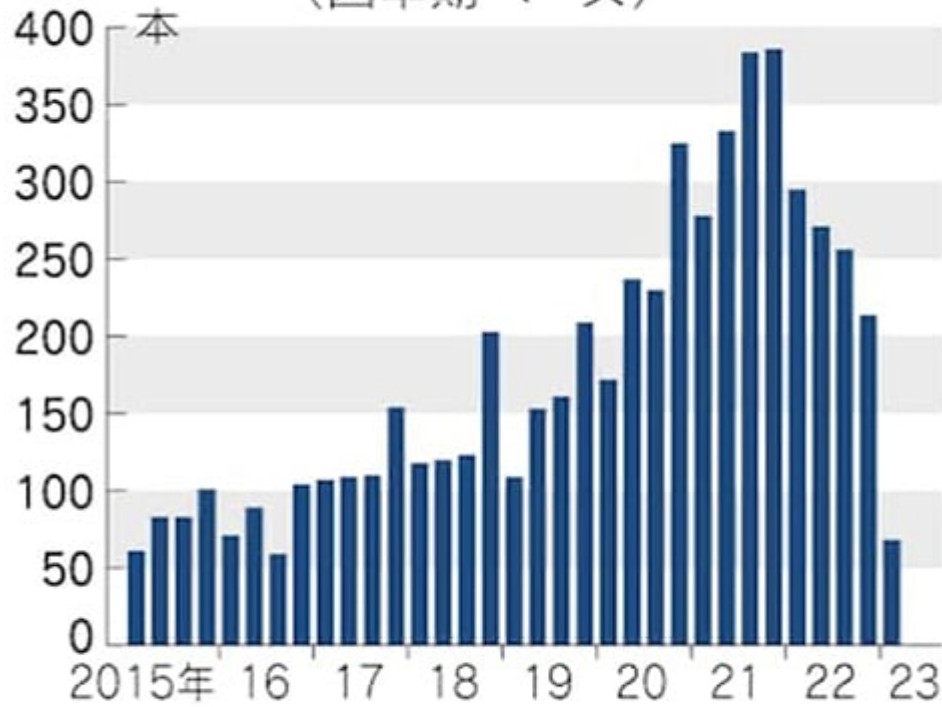
????????????????ESG??

2023??ESG??????????

????ESG???

ESG????????2????????3??2021????????????????????

ESG投信の設定本数は急減 (四半期ベース)

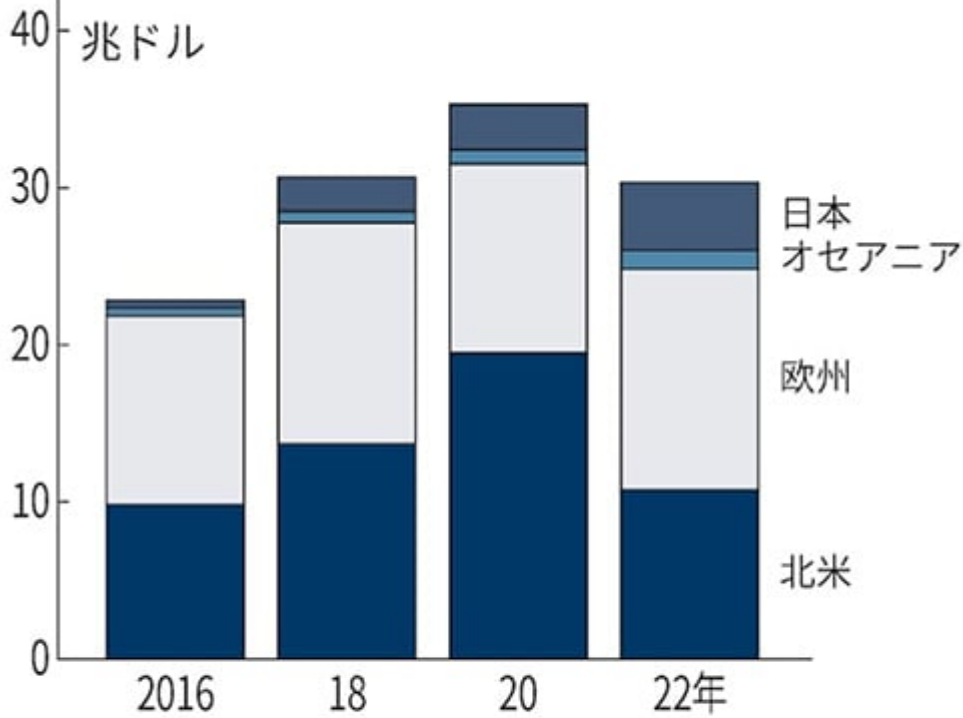


(注)モーニングスター・ダイレクトで追加型投信とETFを集計。類似投信のうち運用期間が最も長いものが対象。償還済みも含む

??ESG???????

???2023?3?20???????

世界のESG投資は22年に初の減少



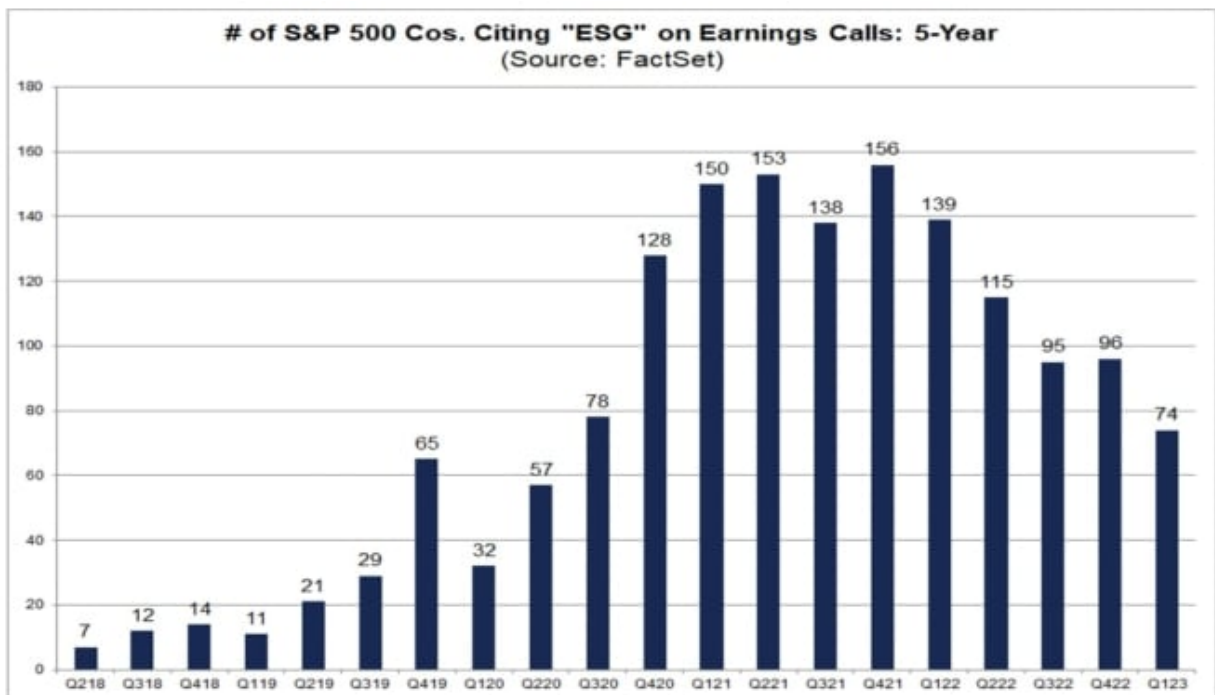
(注) オセアニアは豪州とニュージーランド、北米は米国とカナダの合計

(出所) GSIA

??ESG?????

???2023?11?29???????

??ESG????????????????????????????????????4????????????????????????????????????



4 ESG S&P500

FACTSET

ESG 4 10 EV EV

202X XX

202X XX 2050 2030 2013 47% CO2

6 2030 46% CO2 PPA

5 6

2030 CO2 46% 6 6 46%

1 CO2 CO2

2022 11 27 COP27 CO2

EU 2023 9 UCPD CRD 2026

2050 2030 47% 2030 2050 CO2

SDGs

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Analysis Program????????????

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[gage]??

0.854+0.1013?/ 0.54 – 0.1013 = 1.668 MPa[gage]

?????????1.668MPa[gage]??

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[gage]??1.233?1.668MPa
[gage]??

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

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?? ?? · Thursday, August 22nd, 2024

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??37%??

??New York
Times?????????????????5??



Darwel/iStock

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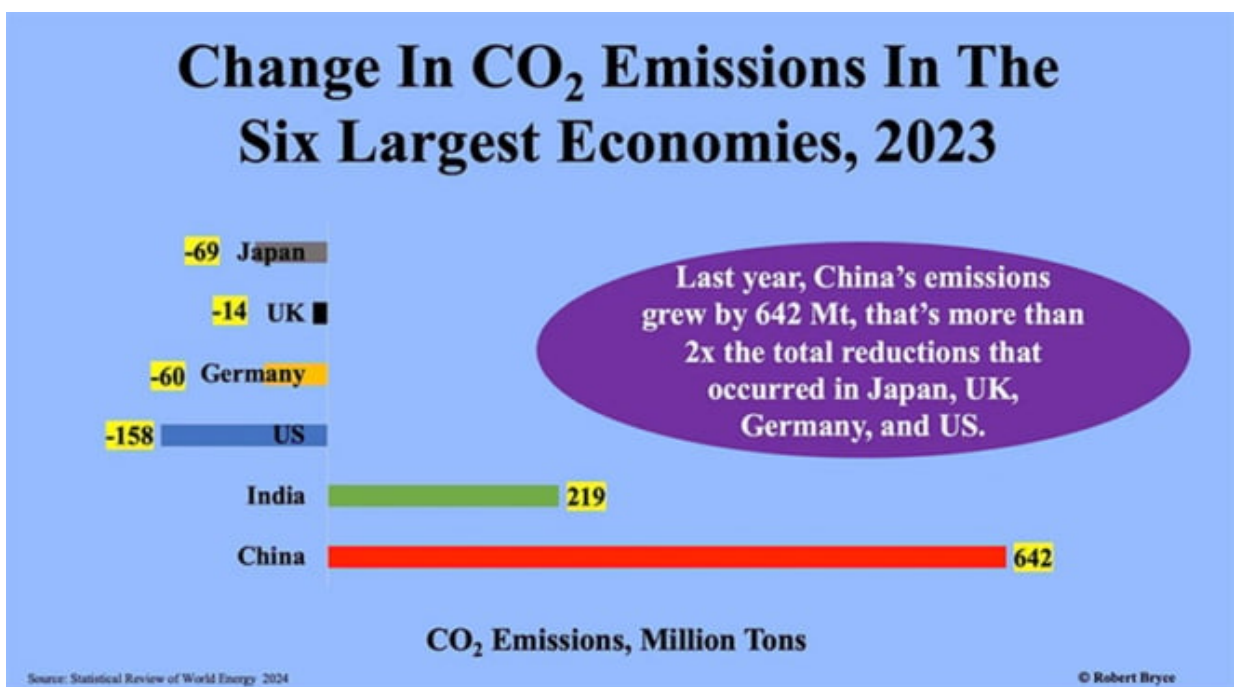
DE&I?LGBTQ?SDGs?Net Zero

EU

EU

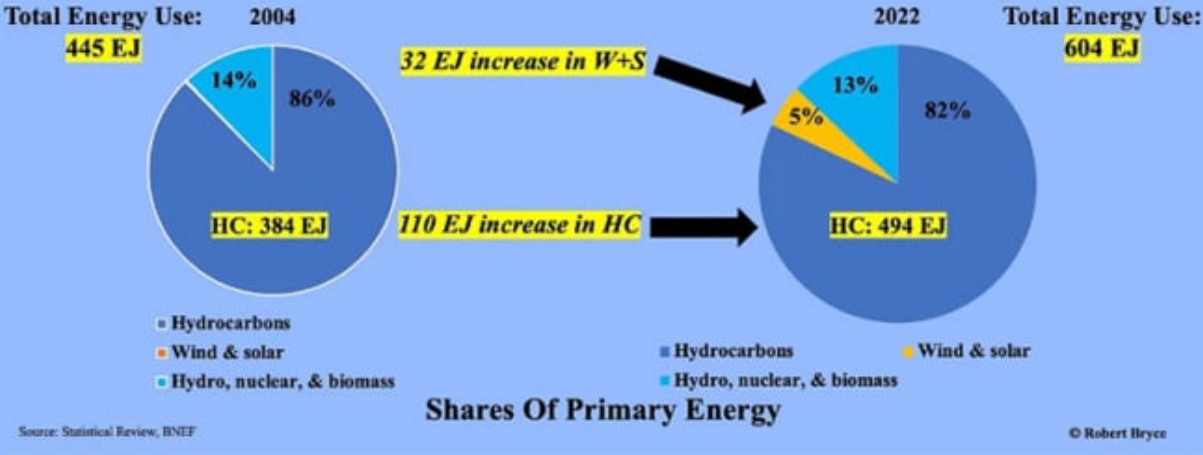
EU 2050?GX?CO₂

CO₂

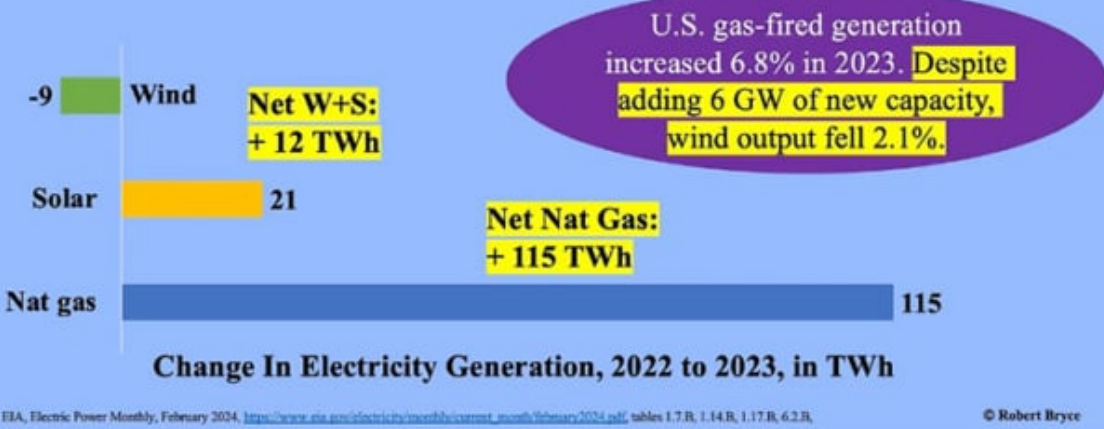


20?GX?2023?GX?9.5

What Energy Transition? From 2004 to 2022, Global Spending On Wind + Solar Totaled \$4.1 Trillion, Yet **Hydrocarbon Use Increased 3.4x Faster**



What Energy Transition? In 2023, U.S. Gas-Fired Generation Grew **9.5x Faster** Than W + S Combined



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Posted in ????????????, ???, ?? | No Comments >>

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?? ?? · Tuesday, August 20th, 2024



vchal/iStock

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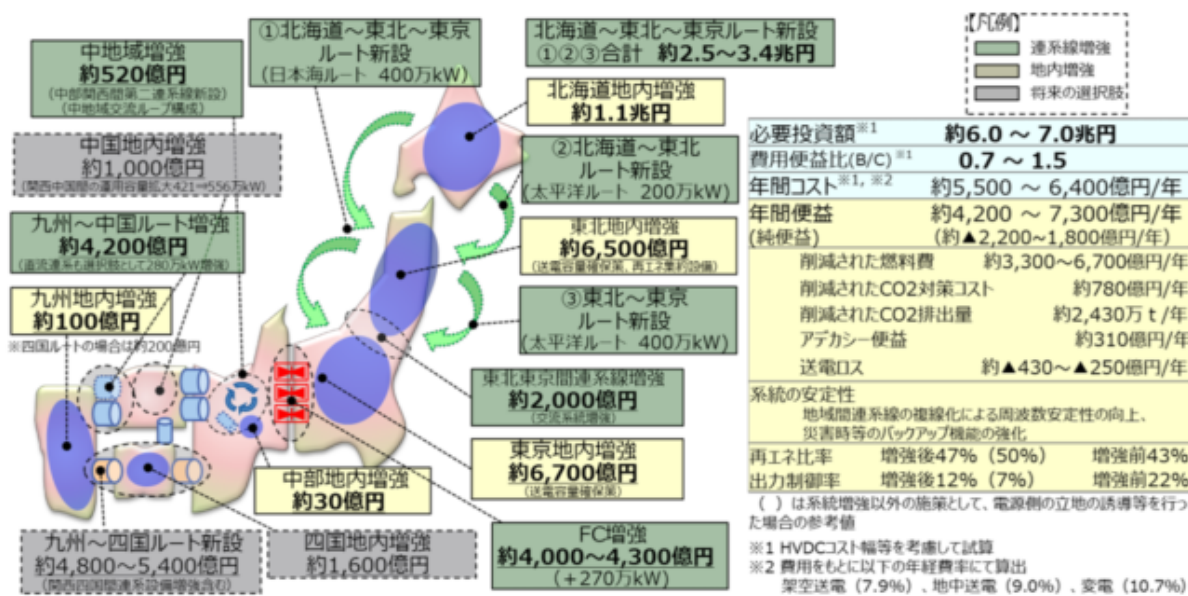


図 14 ベースシナリオの増強方策

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Stadtrate/iStock

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