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1. ??????FIT/FIP????????????????????????????????
2. GX????GX????????????????????????????????
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8. ?????????????????????
9. CCS????CCS????
10. GX????????????????
11. ???????CO2????????????????CO2????
12. ???????CO2????????????????CO2????
13. ?????????????????????
14. ?????????????????
15. ?????????????????????
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17. ?????????????????????

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18. ?????????????

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

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

?? ?? · Friday, September 19th, 2025

????????????????????EU??2050????????CO2??
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?????????EU?????LNG?????????????????????????????LNG?????????CO2?????????EU?????2050??
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?????????EU???CSDDD?????????????????????CBAM????????????????????
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- **CSDDD**???
- **CBAM**?????????????????????????????????????EU?????????????????????????????

?????????????????????????????????????X?????????

“Net zero 2050 is just a colossal train wreck... It’s just a monstrous human
 impoverishment program and of course there is no way it is going to happen.”
 ?2050??

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

2050????????????????

?? ?? · Friday, September 19th, 2025



ookawa/iStock

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IPCC????????1.5????????2050????????????????

CO????450ppm????????????????420ppm????????????????

2030????????43????????2050????????????????

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????????????2050????????2030??2040????????

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- ?????????1.1 USD/kg?14?/Nm³????2050????20?/Nm³???
- CCS/CCUS????????????????????
- DAC????????500?1000 USD/t??2050????????
- ?????2 USD/kg?26.4?/Nm³??90 USD/bbl????????????

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2050????????IEA????????????????

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2050????????????????????

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

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?? ?? · Thursday, September 18th, 2025



zhengzaishuru/iStock

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1. 10??????1?????????
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2. ???“?????”???
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3. ??????????????
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4. 2011?????????????
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5. ??????????
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Posted in ??????????, ??? | No Comments »

2050?8,300?kW????????????????????

??? ?? · Thursday, September 18th, 2025



acilo/iStock

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2025?5?26????????????????????????????????21??2050??
??8,300????????????????????????????

??2040??2050????????????????????

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

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???2024?12?12??
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????????????????????1??2019????2??7,000??8,500?kW?????8
00??2,200?kW????

??3????????440?k
W????????????????????800??2,200?kW????????

	2019???	2040?????	???????????
?????	4410?KW	7000??8500?KW	??22????3?
??????	0KW	800??2200?KW	??10????31?

?1????????????????????
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????????????????3????????????16????????????????????????????????????
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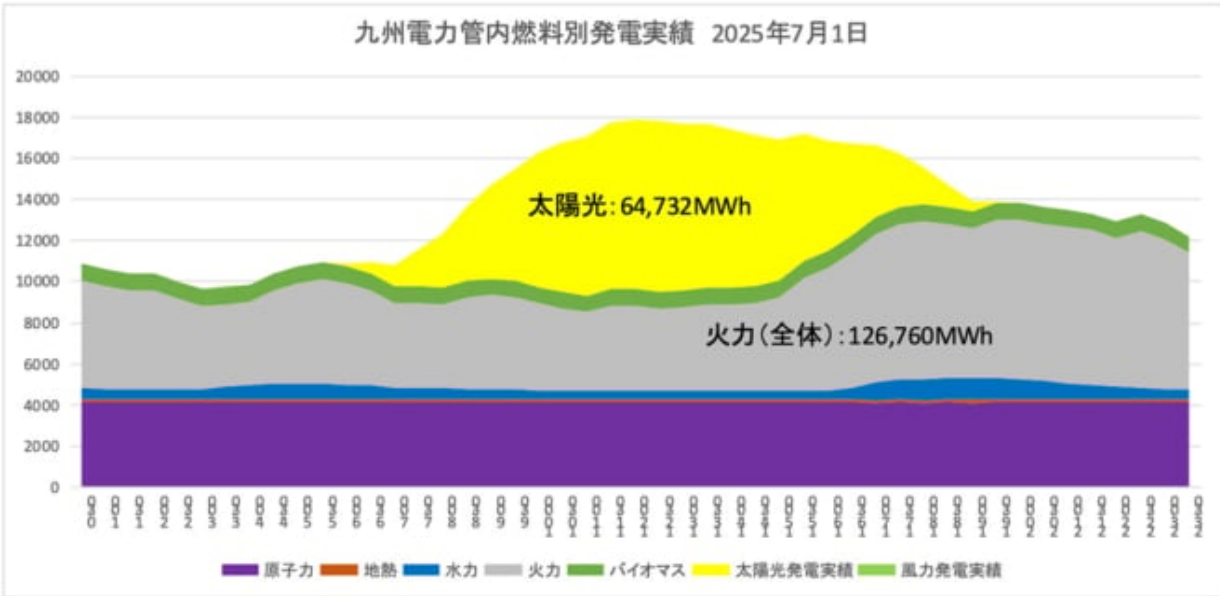
????????????????2050?????8,300?kW????????????????

2.????????kW?????1?????kWh???

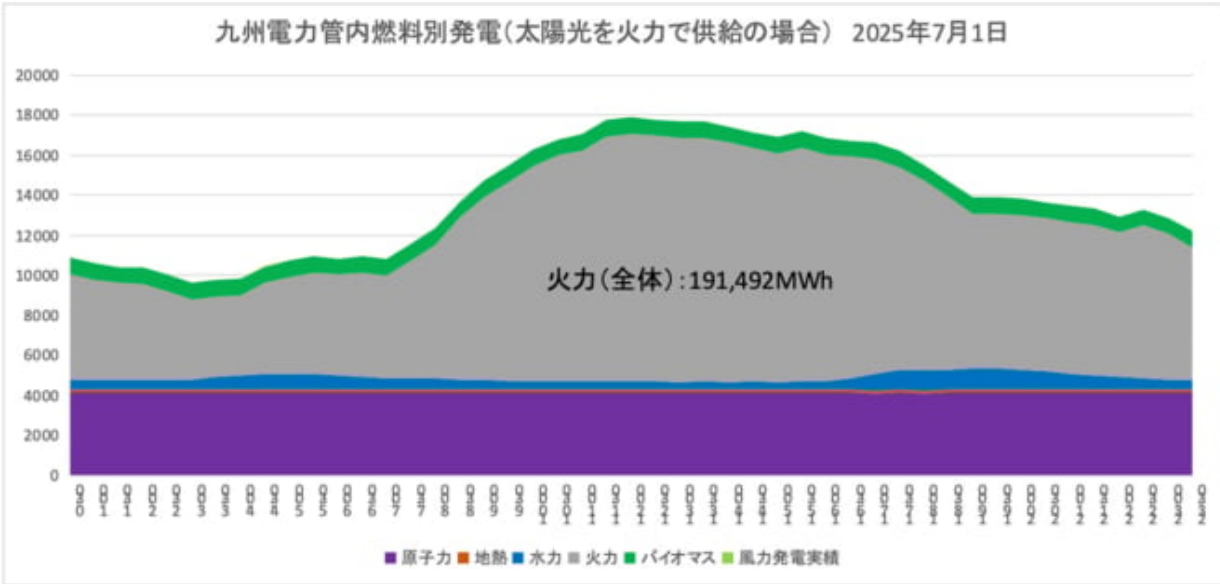
????????????????kW?????1?????kWh????????

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Wh????

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????2????????



?1????????????????2025?7?1??



?2??1????????????????????

????????????????2?191,492MWh?????1?126,760MWh??3????????????????3?????????????????
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Posted in ??????????, ??? | [No Comments »](#)

????????600??50????????

?? ?? · Wednesday, September 17th, 2025



????HP??

????????????600????2030????????????

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????????????????????????????????FCEV??830????????Fuel Cell Electric Vehicle
FCEV??JPN
TAXI????345?5100????????????????484?5000????????

????????FCEV????148km/kg????????1,760?2,200?/kg????1,980?/kg????
?1km????13.38????

???JPN

TAXI????16.5km/L????????101?/L=?111?/L????1km??6.73????
????1????6.65????

????????9?km????????59.9????6????
????359????

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- ?????FCEV??1,552?/?= 830??120.4?/?×6??
- ?????JPN TAXI??709?/?= 345.5??60.5?/?×6??

????????1????844????600????51????

??370??/????????240??/????????????????????
????????????130??/????????????????

????????59.9??/????????????????????????????????600??6????????????????21.6????????22.2???=
370??×600????????????????????36.6????????????43.8????????58.2??
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Posted in ??????????, ??? | [No Comments »](#)

FIT????????????

?? ?? · Monday, September 15th, 2025



20.09.2025

20.09.2025

20.09.2025

20.09.2025

20.09.2025

20.09.2025

- 20.09.2025**

20.09.2025

- 20.09.2025**

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

SBTi????????

?? ?? · Monday, September 15th, 2025



200degrees/iStock

2024?6?????????GFANZ?NZBA??1?????????????
????????????????2025?3?????????UFJ????????????????????????????NZBA?NZAM?????????

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2025?7????????????SBTi?CDP????????????????????8????23????????SBTi????????????????
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????CDP??2,000??SBTi??1,500??

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- 8????23????????????????????????????????????SBTi??SBTi????????????
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BTi????????????????

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?SDGs????????

Posted in ???, ??? | No Comments »

?? ?? · Sunday, September 14th, 2025

[illegible]

Reform UK????????????????Net Zero?????????????????”Scrap Net
Zero”??

??????The Times?YouGov?????Reform UK
 ?????????????????????????????????22????????????????????24?????????
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Zero????????????????????

??2050??
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Posted in ??????????, ???, ?? | No Comments »

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?? ?? · Saturday, September 13th, 2025

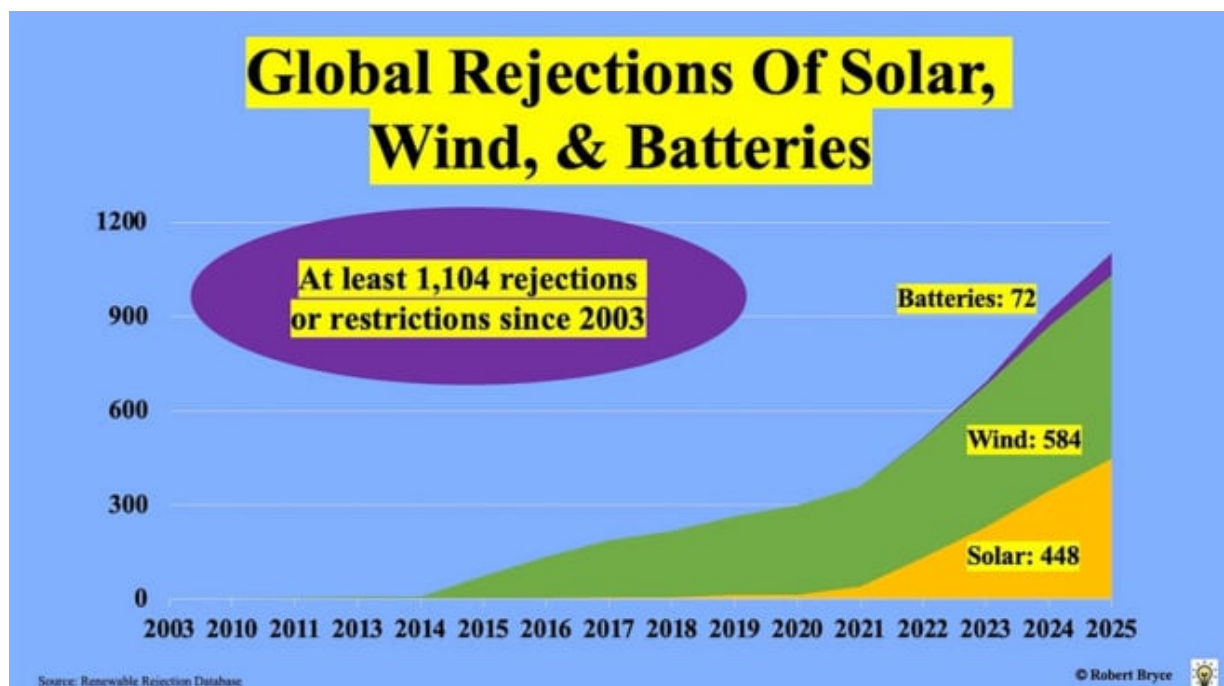


hanibaram/iStock

????????????Renewable Rejection Database????????????????????

Belgian Wind Project Vetoed; Global Total Of Renewable Rejections Hits 1,104

??1104????????????????????
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Overview Table

Date ↑↓	Country ↑↓	State ↑↓	Government ↑↓	Entity ↑↓	Type ↑↓	Notes	Source
2025/9/8	GB		West Oxfordshire District Council	Oxfordshire	solar	A plan for a solar farm that developers said could generate enough power for an Oxfordshire town has been rejected. AMPYR Solar Europe applied to build the 30MW farm...	Link
2025/9/5	US	MN	Board of Appeals	Pipestone County	solar	The Pipestone County Board of Appeals, during their Aug. 28 meeting, denied a variance that would have allowed Pivot Energy MN Solar 24 LLC, which is owned by US Solar, to build a 1...	Link
2025/9/4	US	OH	Board of County Commissioners	Clark County	wind	Large wind and solar farms are now restricted from being built in the unincorporated areas of all of Clark County's 10 townships for at least two years. Clark County commissioners...	Link
2025/9/4	US	OH	Board of County Commissioners	Clark County	solar	Large wind and solar farms are now restricted from being built in the unincorporated areas of all of Clark County's 10 townships for at least two years. Clark County commissioners...	Link

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Posted in ???, ????? | No Comments »

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?? ?? · Friday, September 12th, 2025



tolgart/iStock

Climate Working Group, CWG2025723

A Critical Review of Impacts of Greenhouse Gas Emissions on the U.S. Climate

At Long Last, Clarity on Climate
The Energy Department’s recent report is drawing predictable criticism from politicized scientists.



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Posted in ???, ????? | No Comments »

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?? ??? ?? · Thursday, September 11th, 2025



MikeMareen/iStock

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8?11?16????????????????????????????????????16????????????100????????????????????????????
????????????????2??

????31????????????????????A????????????????????????????A?DNA????????A????????2022?
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EU????????????????????

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22?1000??????17?9000??

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

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?? ?? · Saturday, September 6th, 2025



Bilanol/iStock

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Reinvigorating America’s Beautiful Clean Coal Industry and Amending Executive Order 14241

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???AI????????????
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Accelerating Federal Permitting of Data Center Infrastructure

???EXIM??5????????????????????
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US Ex-Im Bank votes to reverse ban on overseas coal lending

???6????????????
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World Bank to end ban on nuclear energy projects, still debating upstream gas

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???LNG????????????
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7????????????????15????15????????????????????????????????????

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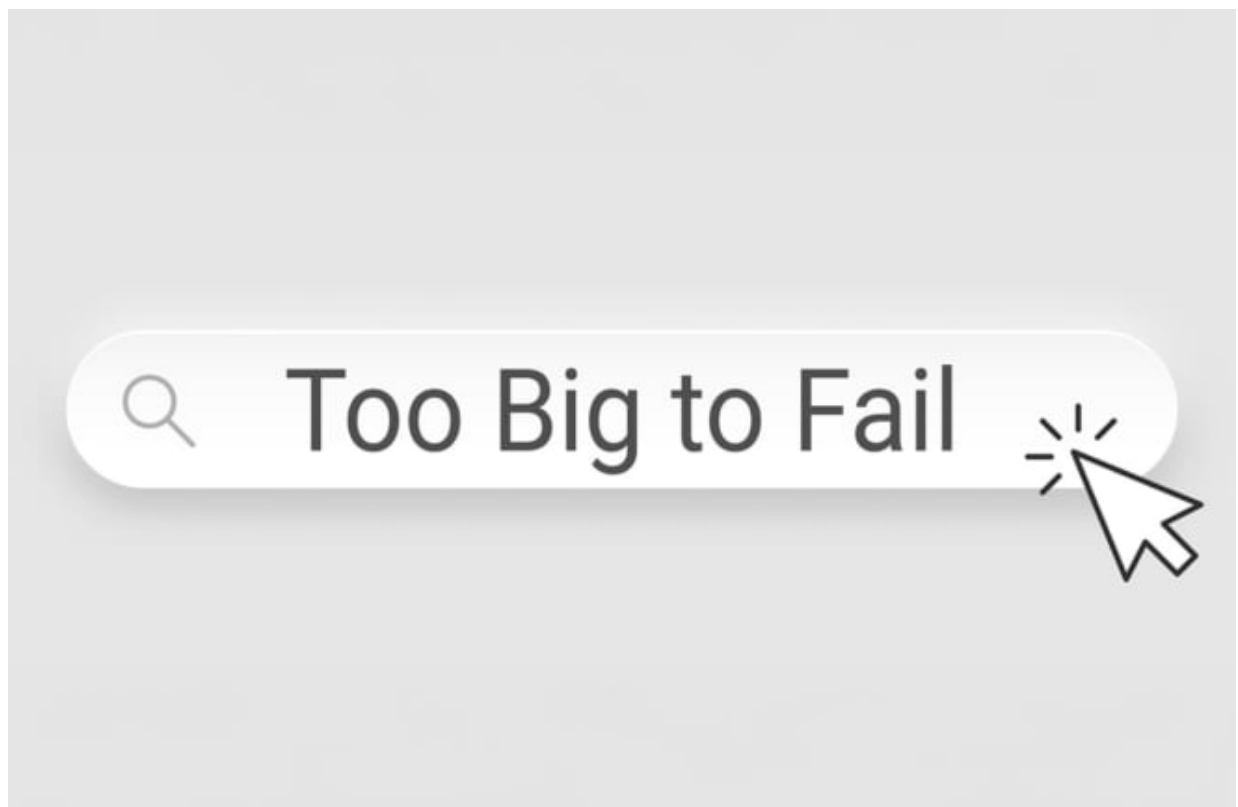


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Posted in ??????????, ??? | No Comments »

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?? ?? · Friday, September 5th, 2025



bgblue/iStock

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??NGFS???

??NGFS???CO2??

????????????????????????????????Jr.????????Substack?The Honest Broker????Too Big to Fail-A
Major New Scandal in Climate
Science????????????????????????????????????2025?8?15??????

??PIK????????????????Kotz, Levermann & Wenz
2024????????????????????NGFS??

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Big to
Fail??

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Posted in ???, ????? | No Comments »

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?? ?? · Thursday, September 4th, 2025



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Philip Hoeppli/iStock

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

COP30????????????????????

?? ? · Wednesday, September 3rd, 2025



Md Zakir Mahmud/iStock

COP30????????11????????COP30????Implementation????Inclusion????????Innovation??
??Global Mutirão????????????????

?Mutirão??
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????????????NDC?Nationally Determined Contribution????????????????????Globally
Determined Contribution????????????????

????????????????COP30????????????????40????????Tropical Forests Forever
Facility?TFFF????????1????4????????????????????????????

???COP29????????2035????????1.3????????????????1.3????????????Baku to Belem
Roadmap to 1.3 T????????????

??TFFF????????????????????
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OP30?5????????????????

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6??
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8?22??1????100????????50????????????
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??COP15?2009????????????
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??COP30????????????????????????????????????COP30????????

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

8???????3?????

?? ?? · Wednesday, September 3rd, 2025



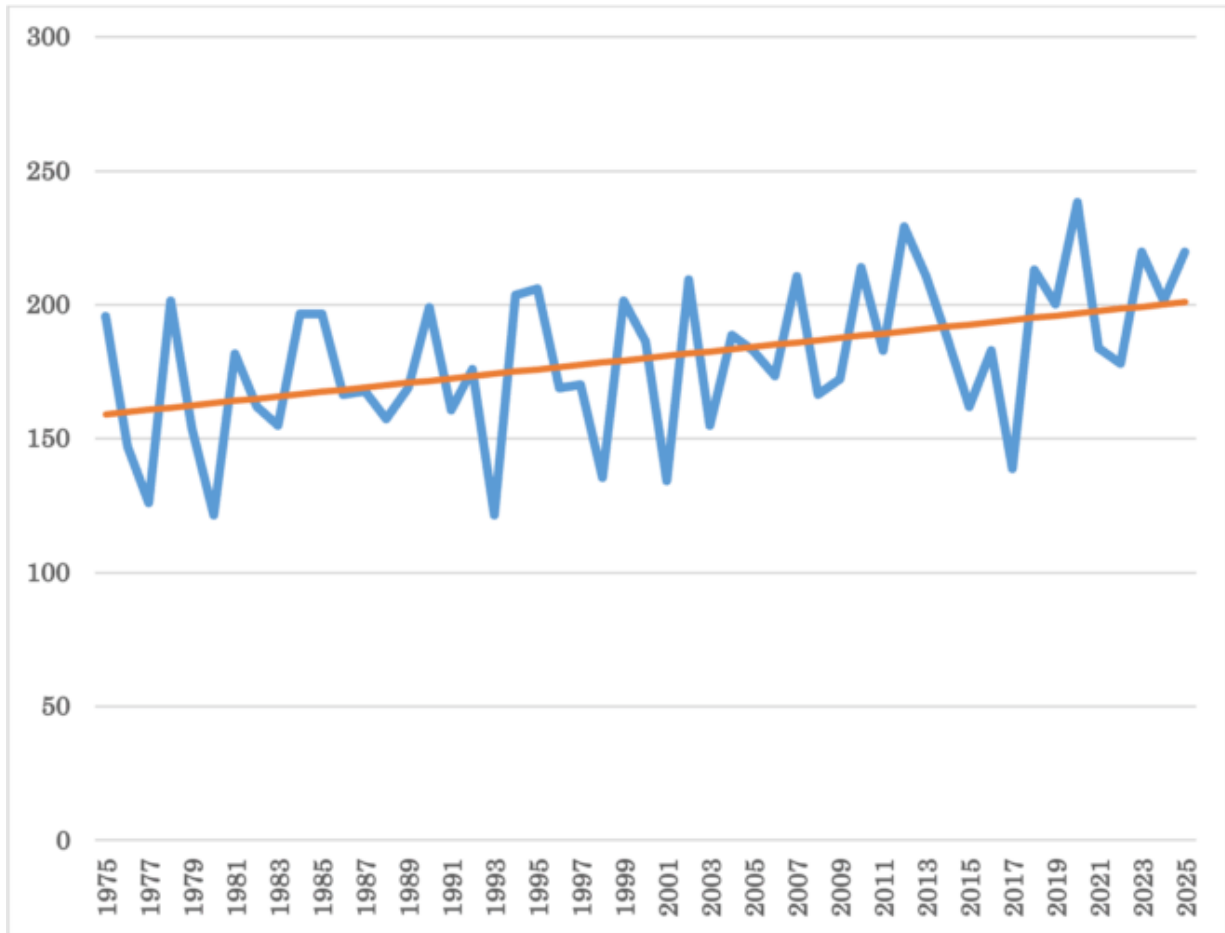
recep-bg/iStock

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???3????????????????

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

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Astrid860/iStock

2025?5?2??
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2014?11?15????????????????????



(1) ブレード



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2019?10?15????????????

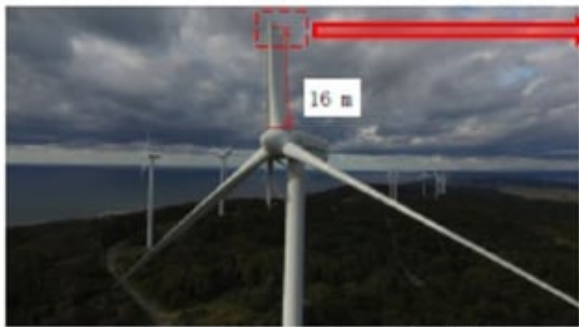


図-1 13号風車ブレード折損状態



図-2 ブレード中間折損部の破断面



図-3 ブレード中間折損部の破断面（局部）

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2020?12?20????????????????????

事故当日の状況
(2020年12月20日19時16分頃)



中央部についてはナセル外壁が消失し
内部機器の影が見えている

事故2日後の状況



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2025?5?2??
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設備	項目	検査方法	検査内容	点検周期(年)
ブレード	表面	目視又は触手もしくは測定	ブレードの表面に損傷(グルコートはがれや外皮クラック)や被雷痕(すす)がないか目視などで確認する。損傷又は被雷痕が確認された場合は、触手などで確認する。	1

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

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?? ?? · Sunday, August 31st, 2025

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??27????????21????????????????????
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CHENG FENG CHIANG/iStock

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GW??“?????”????????

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

???3000????????????????????

?? ?? · Saturday, August 30th, 2025

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JA??????7????????????1??60kg????????2?5200????????1.6????????

????????5kg??2100????????5000???6000????????????

??5????3000????????????5?21????????

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[illegible]

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????8?24??7?????????????????????????
???5kg?2980??

[illegible]

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JA??
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Wikipedia??

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?????1945?3?9?[????]?????B29????????????????S????????????????8????????????????
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??smoke?????fire?????????????
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???9????????????????Smoke Gets in Your Eyes????????????I Don't Want to Set World on
 Fire????????????????????MC????????????????????

???8????????????????????

????????????????????...??NHK??????

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

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

?? ?? · Friday, August 29th, 2025



XH4D/iStock

?????EU??

?????EU????? ?????????????? | [NHK](#) | ????

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

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

EU15% –

EU21EU15%
15%

EU
ESG

Joint Statement on a United States-European Union Framework on an Agreement on Reciprocal, Fair, and Balanced Trade

2025821

19

5.
EU20287,500LNG
BAM

11.
CBAM
BAM

CBAMEU-ETSEU

ESGCBAMEU
9CBAM
EU10%

2026GX-

ETS????????????CBAM????????????CBAM????????????????????????????GX-
ETS????????????????????????

G X-
ETS????????400????????CBAM??
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12.
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??EU????????CS
DDD????????????????????????????

CSRD?CSDDD????????????????????CO2????????????EU????????
????????????????????????????????ESG????????????????

????????????????????250?500???1,000????????????5????
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????????????EU????????CSDDD????????????
????CBAM????CSRD?CSDDD???3?EU????????

???????2026????????3????????????(ISSB)????
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?????ISSB????????3????????????CSRD????????ISSB????
????????SEC????????2????

CSRD????SEC????????????????????SSB
J????????

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?ESG????????

????????ESG????????EU????????

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?SDGs?????????

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

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?? ?? · Thursday, August 28th, 2025



pedrosala/iStock

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???????3????????????????????????????

2021???1????????????11.99?16.49?/kWh????????????????3????????????????????

??500????????
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??2040????45GW????????NEDO????????
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FCOE????????

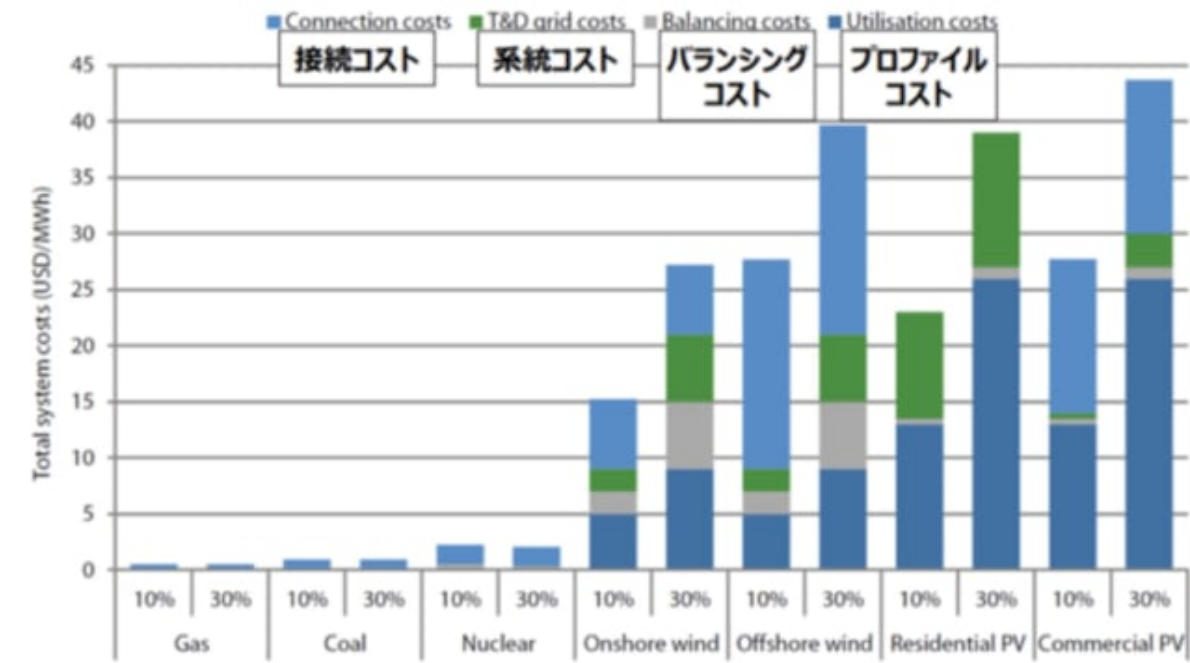
????????LCOE?Levelized Cost of
Electricity????????LCOE????FCOE?Full Cost of
Electricity????

電源	石炭火力	LNG 火力	原子力	石油火力	陸上風力	洋上風力	太陽光 (事業)	太陽光 (住宅)
発電コスト (¥/kWh)	13.6～22.4	10.7～14.3	11.7～	24.9～27.6	9.8～17.2	25.9	8.2～11.8	8.7～14.9
設備利用率稼働年数	70% 40 年	70% 40 年	70% 40 年	30% 40 年	25.4% 25 年	33.2% 25 年	17.2% 25 年	13.8% 25 年

????2030????????LCOE????

FCOE??F

COE??



????????10%??30%???????FCOE??
OECD, The Full Cost of Electricity Provision 2018

??FCOE????????????????????????????????

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

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?? ?? · Wednesday, August 27th, 2025



SergeyChayko/iStock

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Fintech firm Aspiration Partners’ co-founder pleads guilty to defrauding investors

?????????????Aspiration Partners
Inc.?????????????Jr.????????????????????????????????????2?4800?????????
???Aspiration
Partners????????????????????????2????????????????????1????????20????????????????
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??4??
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Partners?Inc.??1?4500?????????
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California ‘Anti-Poverty Activist’ And Dem Mega-Donor Pleads Guilty To Massive Carbon-Credit Scam

??Aspiration Partners
Inc.??

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20??2????????????????40????????????

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??DOJ????????FBI????????????????SEC????????????CFTC????????????

??2021?8???CQC???

??2????????????2????????????????????????????CQC????????????????

???CO2??

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

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CO2????????????????????10????????

????2?2026????????????CO2????????????????????10?

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??J-
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?SDGs??????????

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

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?? ??? ?? · Tuesday, August 26th, 2025



Maoriphotography/iStock

[illegible]

????????????????????????????????????8?18????????????????????????????????
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[illegible][illegible]

??2021?12????????????????????
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Posted in [???, ??](#) | [No Comments »](#)

2024?11?9????????????????????????

??? ?? · Saturday, August 23rd, 2025



2024?11?9?20?22????????36?5,300??
????????????????????????????????????60Hz????????????????????????????

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???2018?9?6? ???
??99????????2???????

??30????????????????
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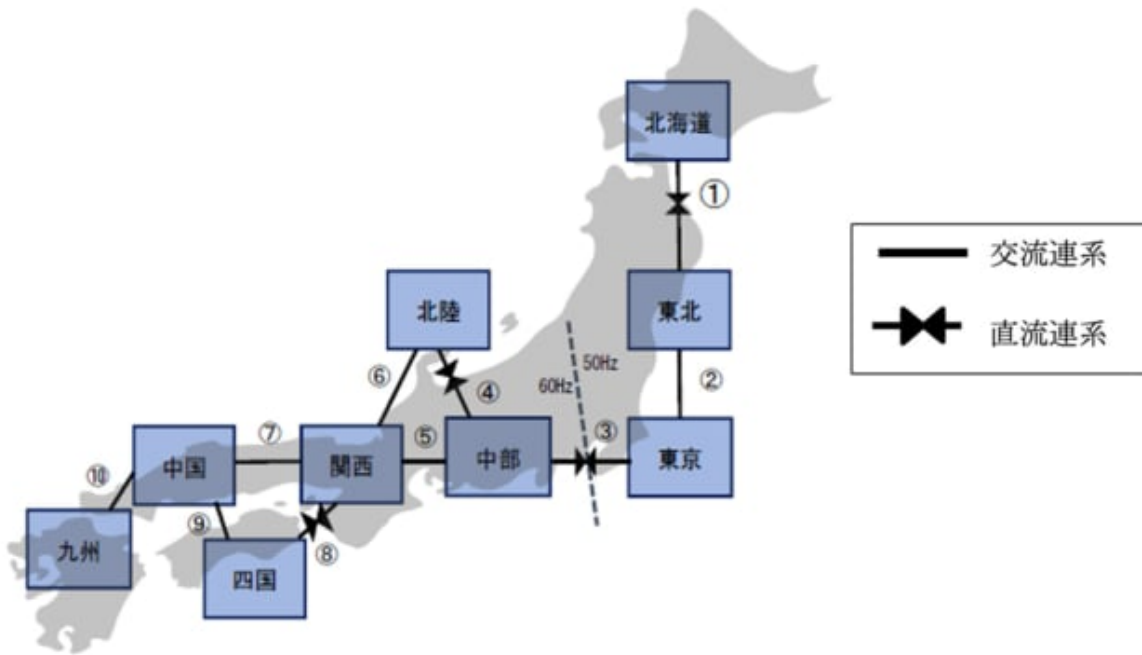
5????????????????????0.01Hz????????????????????????????Hz????MW????????
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?30??5????????????
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??1994????
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本四連系線 〔瀬戸大橋に敷設の ケーブル区間〕

??1994????????????
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???2000??
 ?????60Hz??

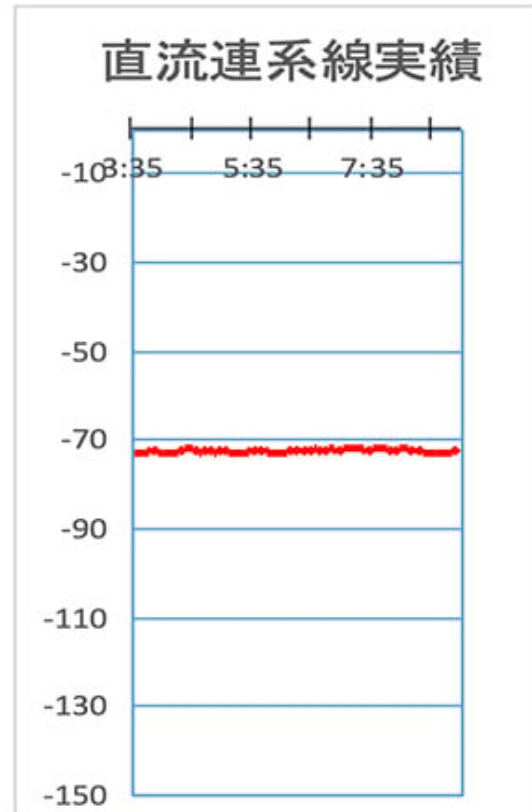
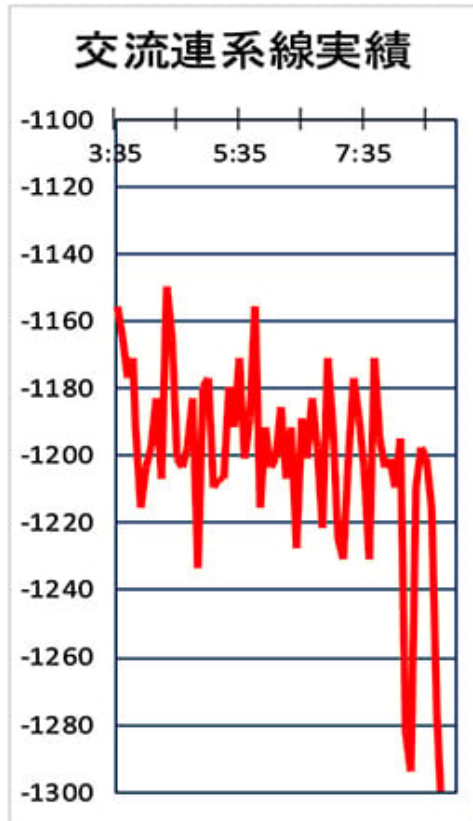
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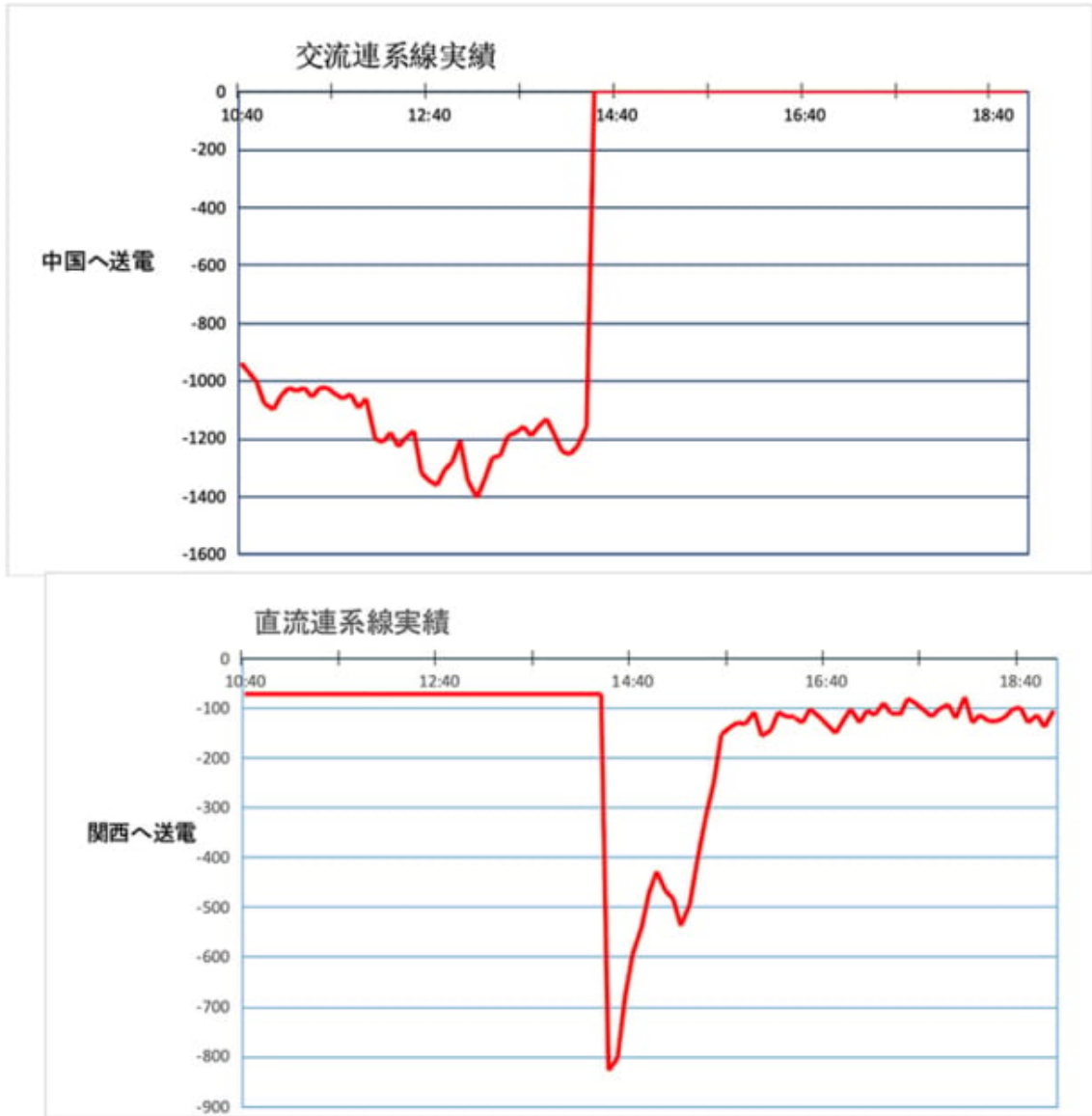
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 ?????????????????????EFC?Emergency Frequency Control????????????

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??EFC????????????????????????????

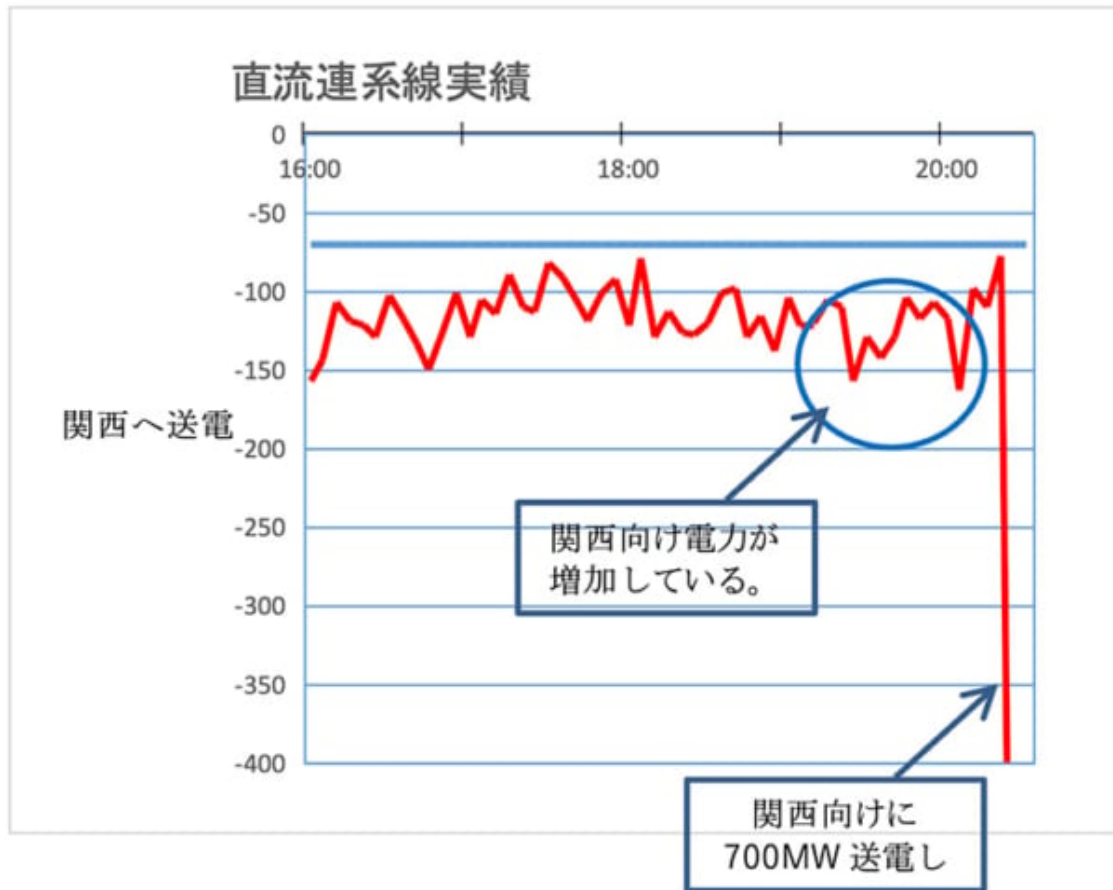
?4?11?9?14?21??14?21????????????
 ?????????????15?30????????????????????????????EFC????????????????????????????



?4?2024?11?9????????????????

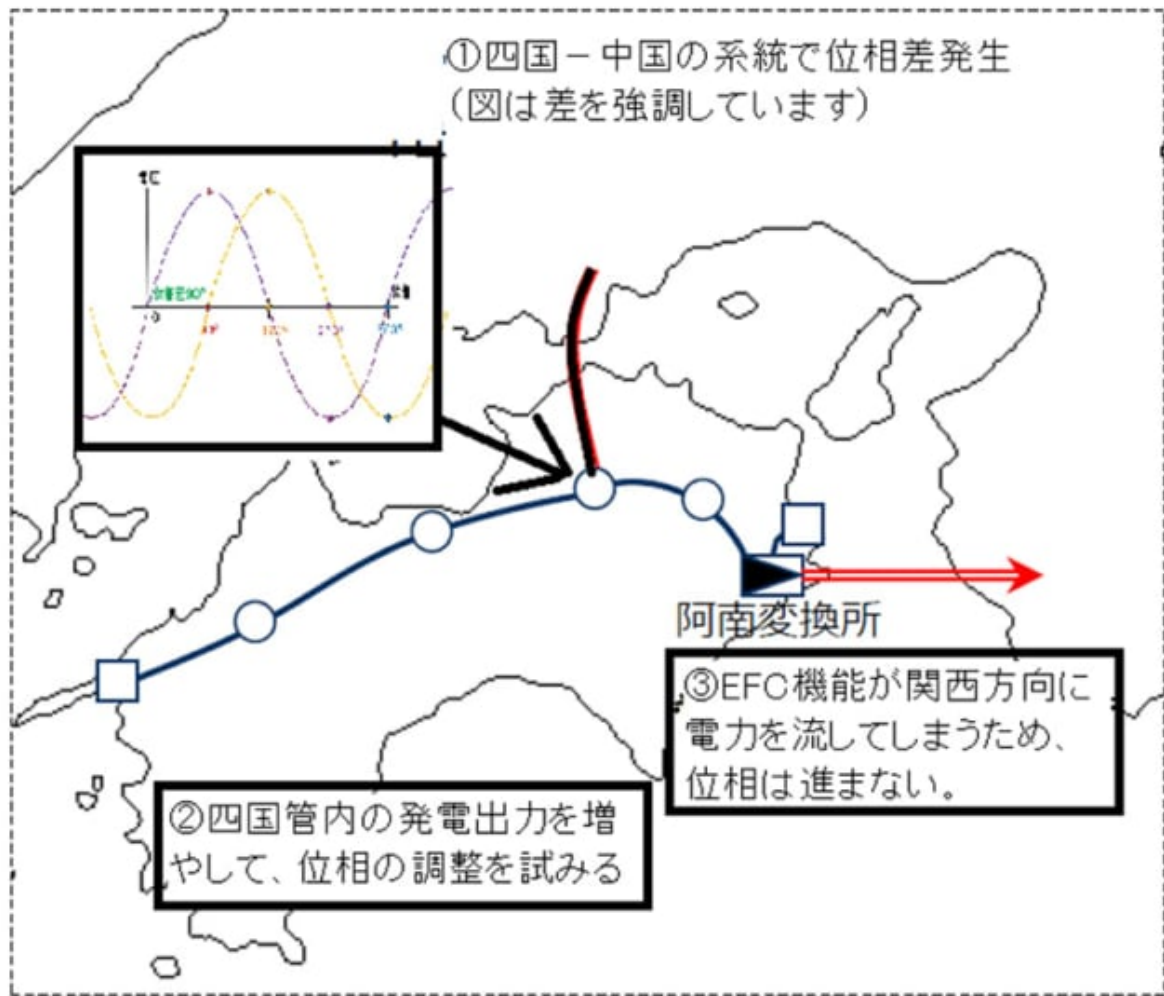
???20??
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??EFC????????????????????????????????5????19?30?
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?5?2024?11?9????????????????????

????EFC????????????????????EFC????????????????????EFC????????????????700M
W??36?5,300????????????????



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??50????????????????????????????????
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Posted in ??????????, ??? | No Comments »

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?? ?? · Friday, August 22nd, 2025



yangna/iStock

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?A. ????? — ??709????????????????

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?B. ???? — ?????????????????????

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C. —

- 20257315273

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160

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2. —
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4. —
5. —

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責任主体	法制度・概念	内容
事業者	民法 709 条「過失による不法行為」	設計・施工・環境配慮の不備 → 損害賠償
行政	国家賠償法「監督過失」、行政処分の違法性	安全審査や環境確認の怠慢 → 損害賠償や許可取消
制度の枠組み	地方条例、FIT 制度の取消・停止	自治体や制度面による抑止力発揮が可能に

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- 1. ???????????????
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- 2. ?????????????????
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- 3. ??????????
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- 5. ?????????????
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Posted in ??????????, ??? | [No Comments »](#)

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?? ?? · Thursday, August 21st, 2025



XH4D/iStock

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

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200????????????????40????????????????
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Wind turbines and solar panels ONLY generate electricity

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

??????????6??????????????

?? ?? · Wednesday, August 20th, 2025



ewastudio/iStock

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2050????????????????????????????????2025?8?3? 5:00?

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影響の要因

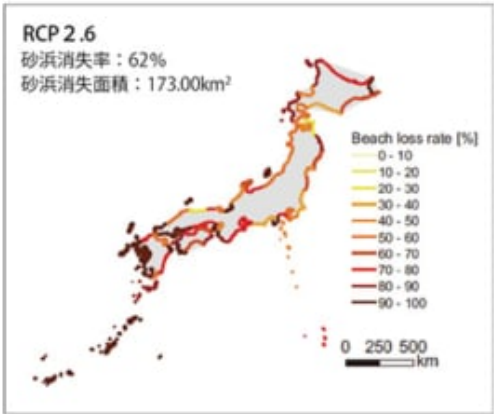
気候変動による海面水位の上昇や台風の強度増加に伴う荒天時の波高増加は、砂浜の形状や面積に影響を及ぼす。



現在の状況と将来予測

1980年代以降日本沿岸で海面水位の上昇が観測されているが、海岸侵食への影響については、その他の要因の影響も踏まえて明らかにする必要がある。

将来、気候変動による海面水位の上昇によって、海岸が侵食される可能性が高い。海面上昇に起因する日本の沿岸地帯における将来の砂浜消失率を予測した研究結果（Udo and Takeda 2017）では、21世紀末（2081～2100 年）までに、RCP2.6で62%、RCP4.5で71%減少する予測が示されている（右図参照）。



今世紀末（2081-2100年）の砂浜消失予測結果（RCP2.6）
出典：有働（2019）、Udo and Takeda（2017）

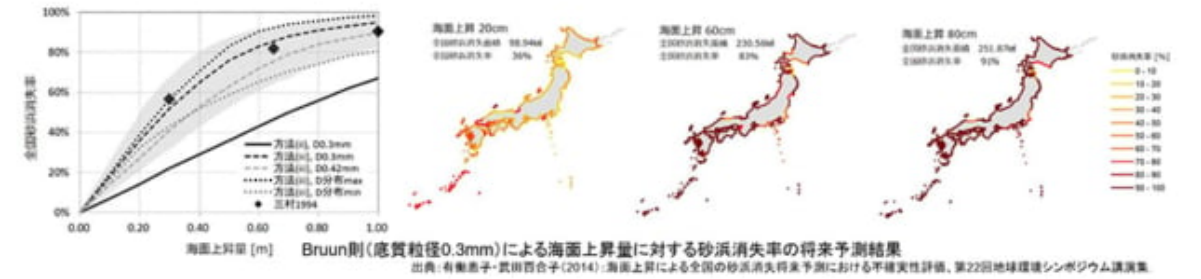
?1
????????????????

????????????????62%????????????????????????????????????

気候変動による海浜（砂浜）への影響

出典：沿岸部（海岸）における気候変動の影響及び適応の方向性検討委員会 第2回資料

- 気候変動による影響により、海面水位の上昇、強い台風の増加に伴う波浪と高潮の増大の影響が予測される。これにより、海浜の減少が想定される。（再掲）
- 海岸保全施設前面の海浜の減少により、海岸保全施設に作用する波力や洗掘量が增大し、被災の可能性が大きくなる。（再掲）
- 有働・武田（2014）によれば、Bruun則による砂浜消失率の予測結果では、20cmの海面上昇で36%、60cmの海面上昇で83%、80cmの海面上昇で91%の砂浜が消失する。



?2
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????Bruun??

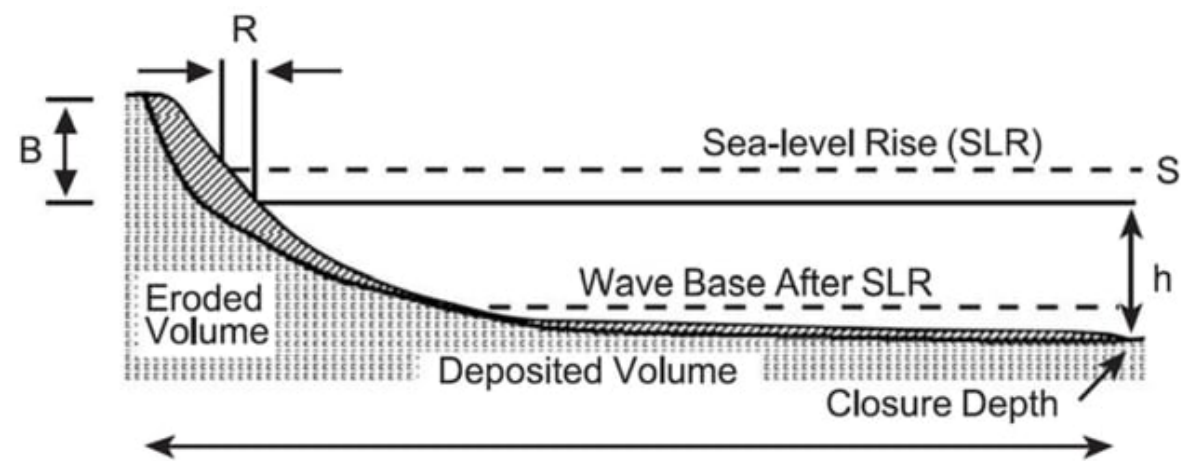


Fig. 1. The Bruun Rule of shoreline erosion.

?3?Bruun???

???Cooper, J. A. G., & Pilkey, O. H. (2004). Sea-level rise and shoreline retreat: time to abandon the Bruun Rule. *Global and Planetary Change*, 43(3–4), 157–171.

??Bruun????????????????????????????20????????????3??????????

Sea-level rise and shoreline retreat: time to abandon the Bruun Rule

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????????1??90????????572????????278????????????????????????????????
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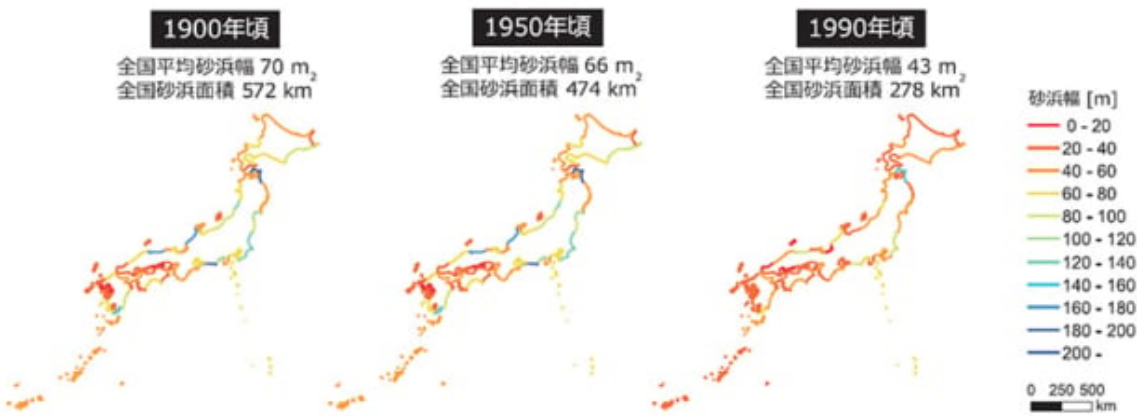


Fig. 1 Average beach widths at around 1900, 1950, and 1990 in 77 coastal zones in Japan.

?4?????????
????????????????????????????????????2019?

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?4?????????Brunn????????????3?Cooper????????????

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?????Bruun??1????????????
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Posted in ???, ????? | No Comments »

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?? ?? · Tuesday, August 19th, 2025



FrankRamspott/iStock

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????2018??33?????
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????2018??

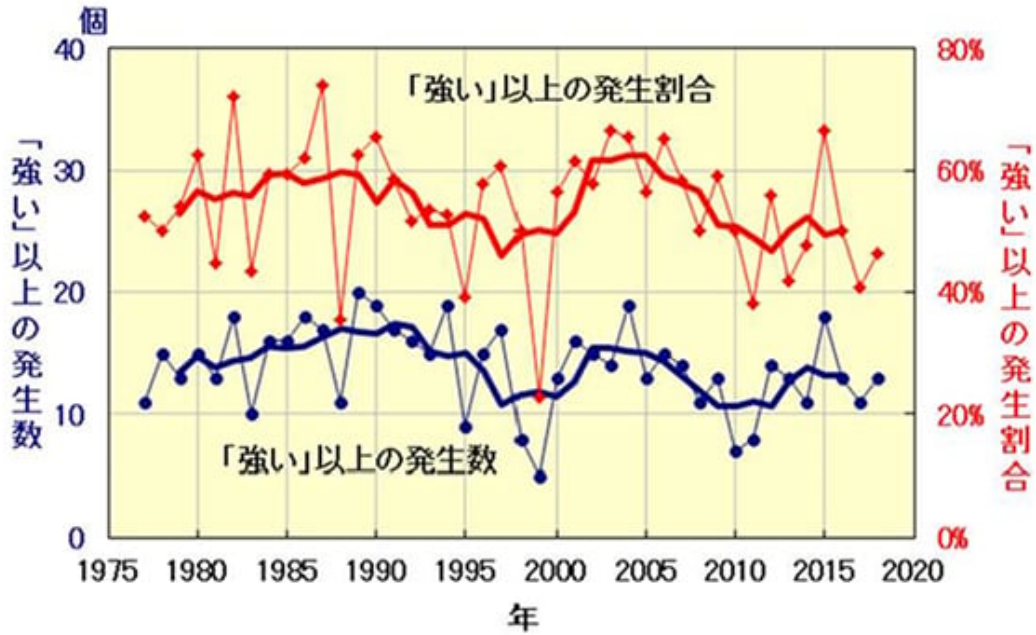


図 2.4-3 「強い」以上の勢力となった台風の発生数と全発生数に対する割合の経年変化

細い実線は、「強い」以上の勢力となった台風の発生数（青）と全台風に対する割合（赤）の経年変化。太い実線は、それぞれの5年移動平均。

????????????????2018??

????????1977??

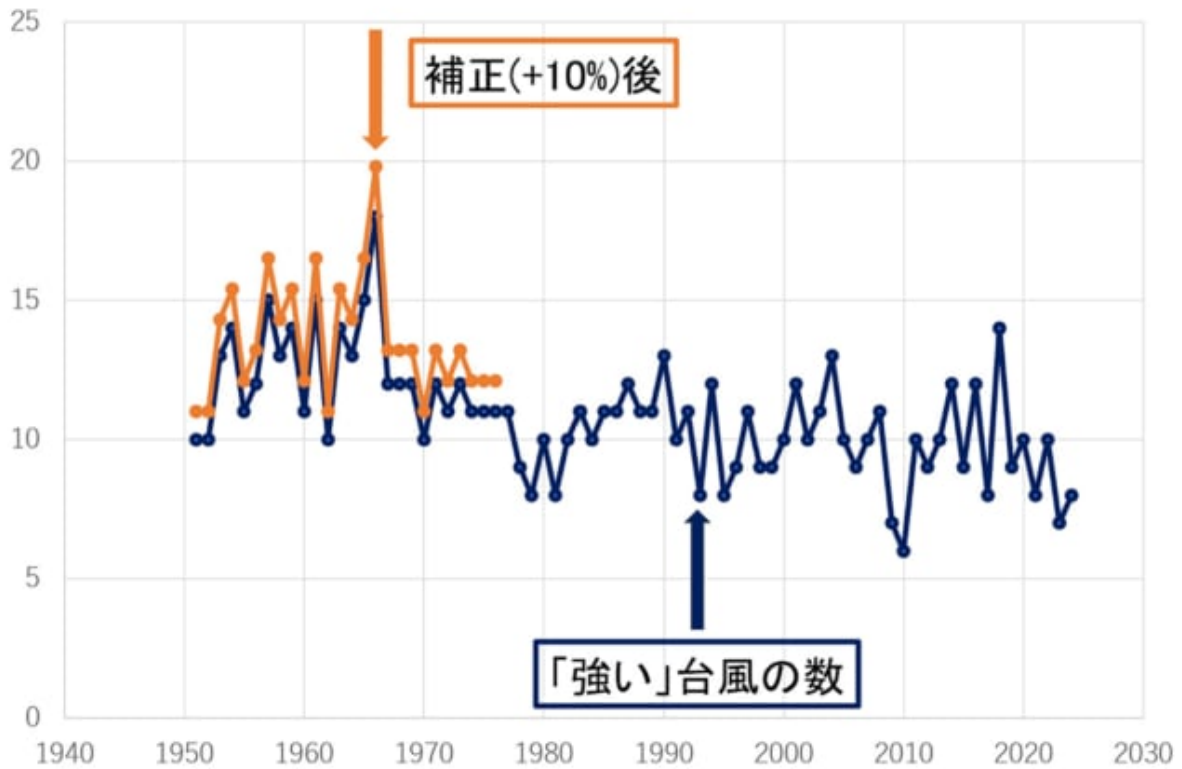
??1977????????

????????1976????????????????????????????????1976????????????????HP????????????

????????1976??5???12????????10????????

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???????HP????????33????????
???????1976????????10????????

?????1950???1960????????1970????????

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??1950????????1954????????1958
????????1959????????????????????

????????10????????ChatGPT????????

??????? 1951–76????33 m/s????
+5?12%???+10%???????+15%????1974–87????
Atkinson–Holliday?1977????????????????????
??Knaff ???1974–1987???????????????? “systematic
underestimation of the MWS... during 1974–1987”?????(AMS Meetings)

????????Ying ???JMA ?1977????JTWC
?2000???????????????? “The JMA data contain only the
central pressures prior to 1977, while the JTWC data have only the sustained
maximum wind before 2000.”??(J-STAGE) ???Song ???JTWC
????2–3?4–5?????????(ResearchGate)

????????IBTrACS
???????? “though not all

storms are captured in earlier years”??

????????????????????????????????????Knapp
????????????????????????????????????(American Meteorological Society
Journals) ???Bai
??1957–87????????????WPR????????????????????????(NOA
A Institutional Repository)

????????1974–87??WPR????????1977????????????????????????“??”??????
??%????????20%????????????—????????????

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Posted in ???, ????? | No Comments »

??23??SBTi????????????

?? ?? · Tuesday, August 19th, 2025



Zhanna Hapanovich/iStock

????????CDP?SBTi????????????????????

?????CDP?SBTi????????????

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SBTi??????1,500??SBTi?????SBT????????????
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Iowa AG leads letter questioning legality of net-zero carbon emissions standard

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