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脫炭素

首相表明

[illegible]

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????23.8??

????17????62????????2040????????370????????????????????????????????6??
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??	2040????????
??????	4.1??
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GX???	3.2??
??	23.8??

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????GX????????????????????????????????^{23?}????????????????
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????????6.2????????????????????????????????15????????JOGMEC
 ?????????15????????^{24?}????????3???????

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????4.2??
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GX????3.2??
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????4.1??
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????5.1????????????????????????????????
 ?3????????^{25?}

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????????85.3???GX??????75.5??????????9.4??????????????????²²?

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?1??????2026?9?1??2026?9?1????

?2?????2026?6?24?????17????????????????????????????????8?????????5?????????????1?1-2??2026?9?1????

?3??????2024?2?14?????6????????????????????????????????2024?2?????699???14-25?????16-17??2026?9?1????

?4????????????????????JOGMEC????????????????????????????2026?9?1????

?5????????????2026?6?5????????????????????????????????2026?9?1????

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

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?? ?? · Thursday, September 3rd, 2026



?2026?7????????????????????????NOAA?????7????48????????????????????????

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C O ?

Coalition??NOAA????1????????????????????????????????????UHI????????????????????????
??USHCN????????????????????

?????2026?7????????????????7????4????1901??1934??1936????????????????????????CO????????7
5????????

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RCP8.5?SSP5-8.5???
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Posted in ???, ????? | No Comments »

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?? ?? · Wednesday, September 2nd, 2026



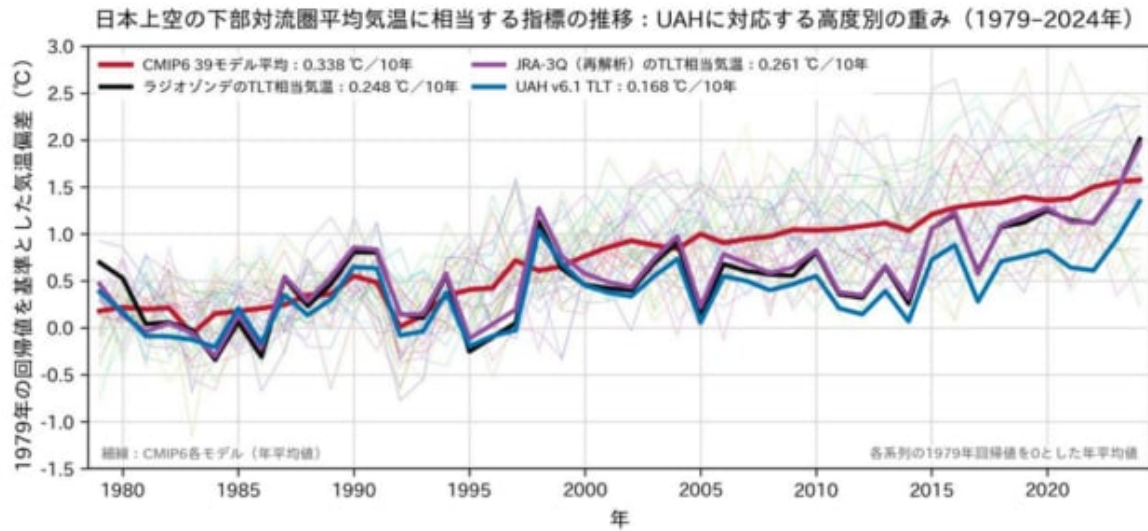
janiecbros/iStock

????????????????????9000m????????????IPCC????CMIP6????????UAH????????
 ?????????????????????????????

????????????????????????????????CIGS
 WP????CMIP6????????????????????

????????13????????????????1979?2024????39?CMIP6????UAH?v6.1????????
 ?????????

????1????????????1979????????????????39????????UAH????????
 ??46????????????????

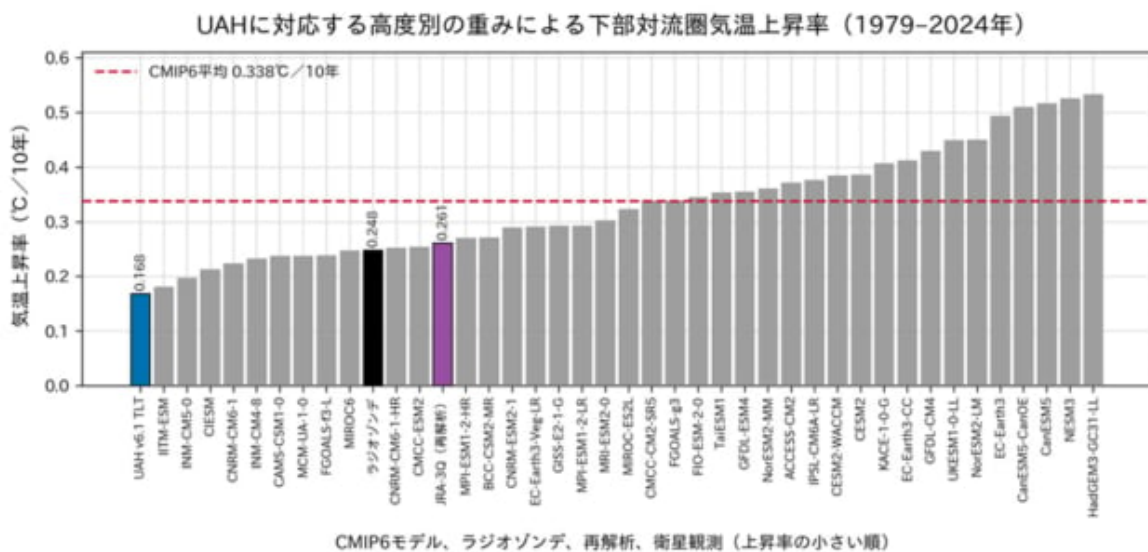


????????????????????????????????????CIGS WP?10??

????CMIP6?39????????????UAH??????????

??????UAH?0.168??10????????CMIP6?39??????0.338??10????2?????

?2????????????????????????UAH????39????????????????????????NOAA STAR
v5.0????1981?2024??????0.196??10??????????0.347??10??????????



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????CMIP6????UAH????????39??????

????1????????UAH????2?3??

????1979?2024??

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Posted in ???, ????? | No Comments »

???2028???????????3??????????

?? ?? · Tuesday, September 1st, 2026



???????CO2??

2028??
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??16????????????????????????????????2??4????????????3??????????

??244??10??2?9,29
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2028????2034??

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????????26-018J????????2028????2034????

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

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?? ?? · Monday, August 31st, 2026



??2030????????????????????????????????100%????
 ??????????RE100??

????AI??

?????????????????Truth in Energy and
 Climate??

Big Tech Loved Green Energy–Until It Needed Reliable Power

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??6????????????????20??
 ??2.7GW——????2????????????2028????????????

??20????????????
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??5GW????????????????????????????????10?????7.
5GW??

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

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AI?24??365??
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AI??

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

AI????150??GX????????????????????

?? ?? · Saturday, August 29th, 2026



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150??GX????????

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

EU????????????1????????????????

?? ?? · Friday, August 28th, 2026



2025?8????EU??EU????????????
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????EC????????????????????????????????????CSDDD????????????CSR????????
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? ESG Today????????????????????U.S. Mission to the
EU?EC????????????????????

????EU??
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????EU??
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ESG Today????????????????EU????????????????????????????????



- ?????CSDDD?CSRD????????????????
- EU????????????????????????????
- ?????????????????????????????
- CSDDD????????????????????????

EU????????????????EU????????????????EU????EU????????????????
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EU??
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??EU????????????????ISSB????????????????SSBJ????????????3???

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

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

?? ?? · Thursday, August 27th, 2026

[illegible]

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?1????????????????????Q&A 181????????????????2024?
?2????????????????????????????????????2026?

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

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?? ? · Wednesday, August 26th, 2026



marc chesneau/iStock

2026?7??

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????????2023?9????????????2050????????pragmatic, proportionate and
realistic????????????????????????????????2030???2035????????
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?Net Zero????????2050????????????????????????????

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???2021??G7????????????COP26????????????1.5????????????????2050????????????????

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2027????G20????????2028???2????????????????????????????1.5????????????????

????????????????????????????????COP????????????????????

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

????????????????SMR????????????????

?? ?? · Tuesday, August 25th, 2026



2026?8????????????????????????????????SK?HD????????????????SMR????????

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Natrium????

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??Natrium?i-SMR??

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SMR??IHI????????
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MFBR??
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SMR?Natrium????????????????????????????

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2028 COP33????????????????
2030 CO2????????????????
2035 ??????????—????????
2049 ??????100????????
2060 ??????????

COP33????????????????CO2????????????2049????????????
????????2060????????????????????

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????????????2025????????430?????GW????????60%?
????????1,800GW????????

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2026?1????????23%????????33%????????18%????
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2026????????360????????49%????????1?????
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????????8.6%??9.1%????????CREA?Centre for Research on
Energy and Clean Air??GEM?Global Energy
Monitor????????26.1%——??4??1????

????????30.2%????33.9%????????10?17%????
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???2026????30GW????10????2.7GW????

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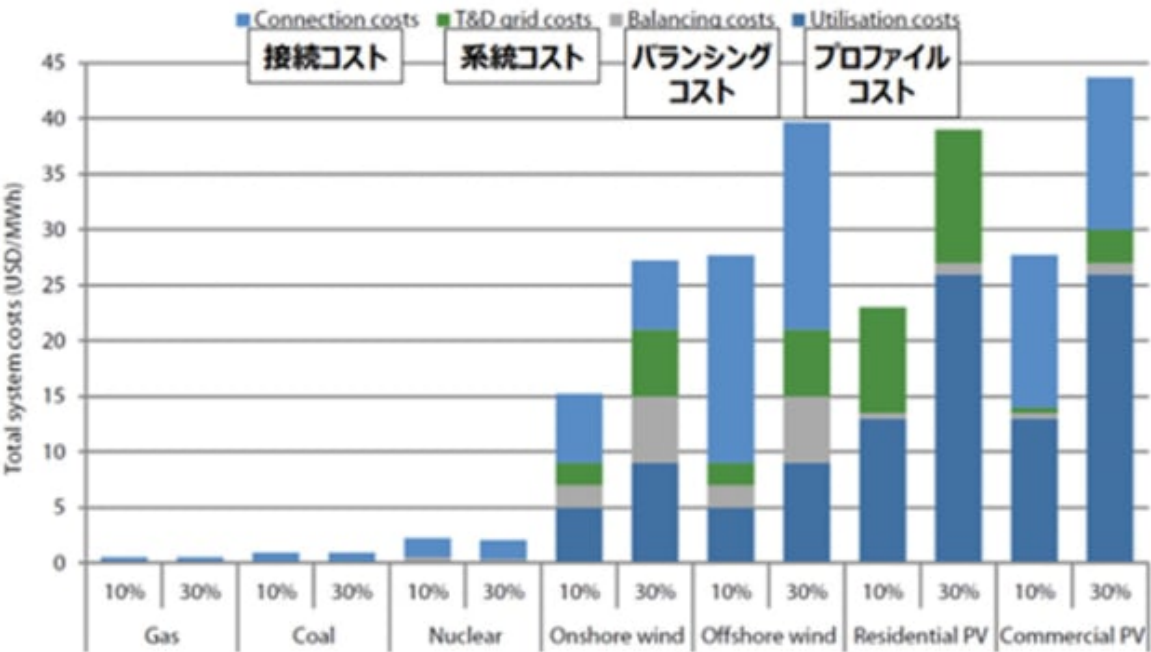
LCOE????????

?????OECD?????NEA????????LCOE????????
????????NEA?2018????LCOE????????

????????FCOE?Full Cost of

Electricity??
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???OECD?????2018??

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OE????????????????????????????

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???COP33??
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Posted in ??????????, ???, ????? | No Comments »

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??? ?? · Monday, August 24th, 2026



2026?6?24??JERA??

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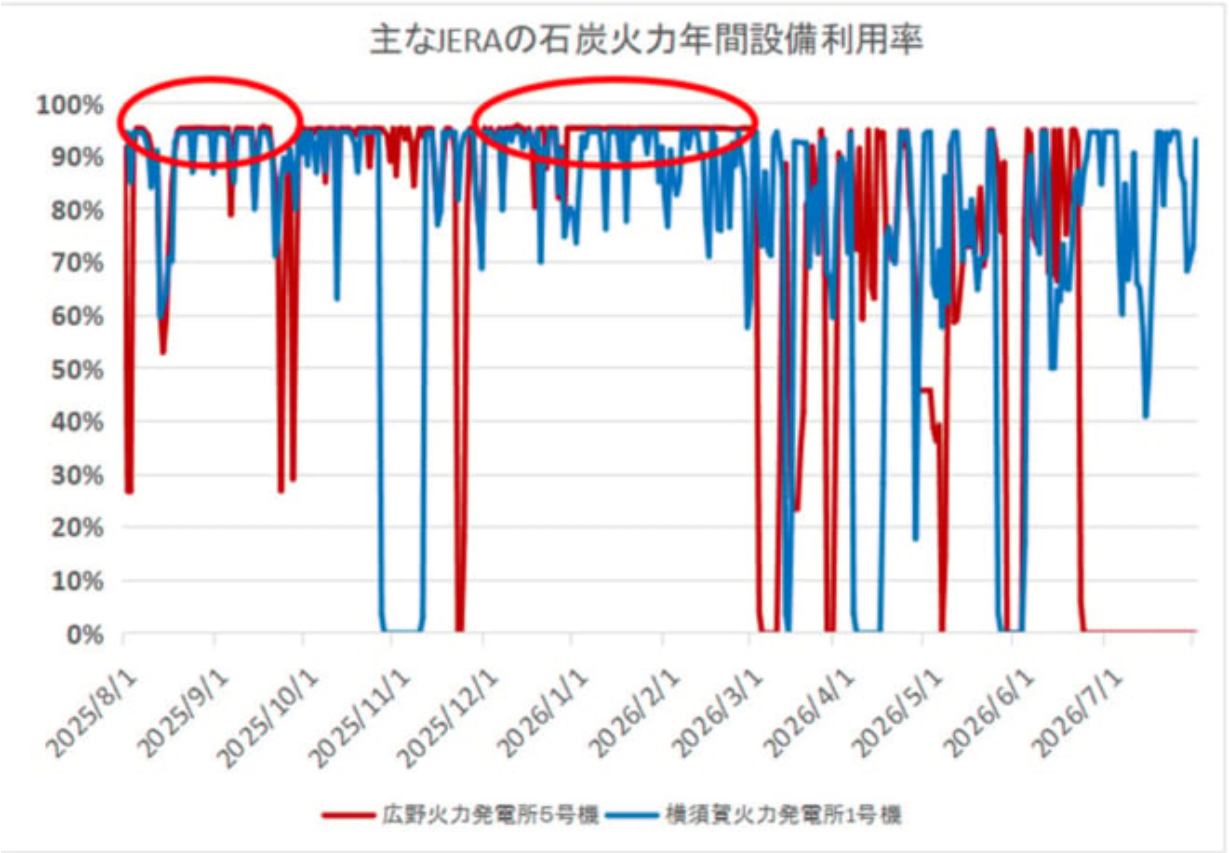
????????42????????????????????????????????50????????????????42??
 ?????????????50????????50????????20????????

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???2026????????50????????????????????LNG????????????LNG????
 ??????1????????50????????

JERA????????65???

???JERA??3?6????????????43?????
???Wikipedia????????????JERA????????????????????????50????????????????????



?1???JERA????????

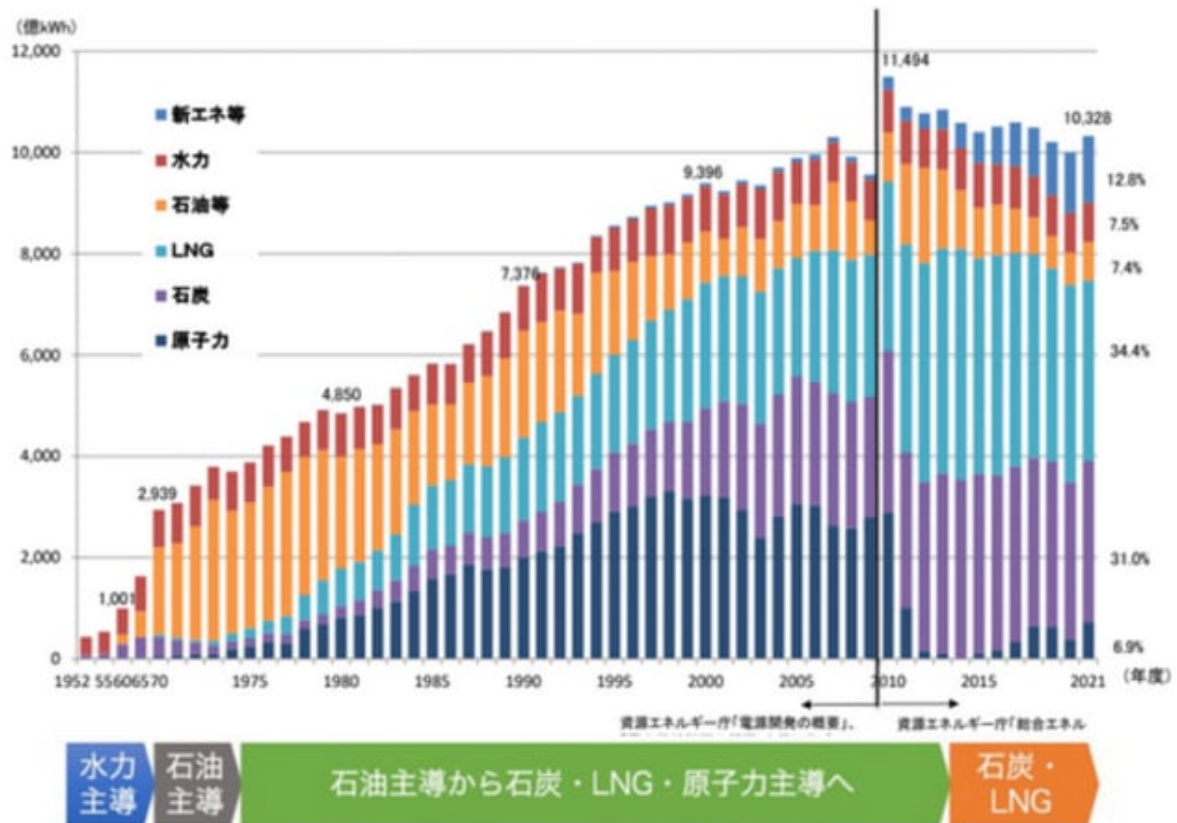
?1???????2????????????2025?8??2026?7????1????????????????????????????????OCCT
O????????????????

ユニット名称	最大出力(kW)	設計効率
常陸那珂火力発電所1号機	1,000,000	45.2%
常陸那珂火力発電所2号機	1,000,000	45.2%
広野火力発電所5号機	600,000	45.2%
広野火力発電所6号機	600,000	45.2%
横須賀火力発電所1号機	650,000	43%
横須賀火力発電所2号機	650,000	43%

?1?JERA????????

???95????100????????1????????????OCCTO????????????5????????

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2014

2021????????????????31????????????20????????????????????????????????????
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[illegible]

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[illegible][illegible]

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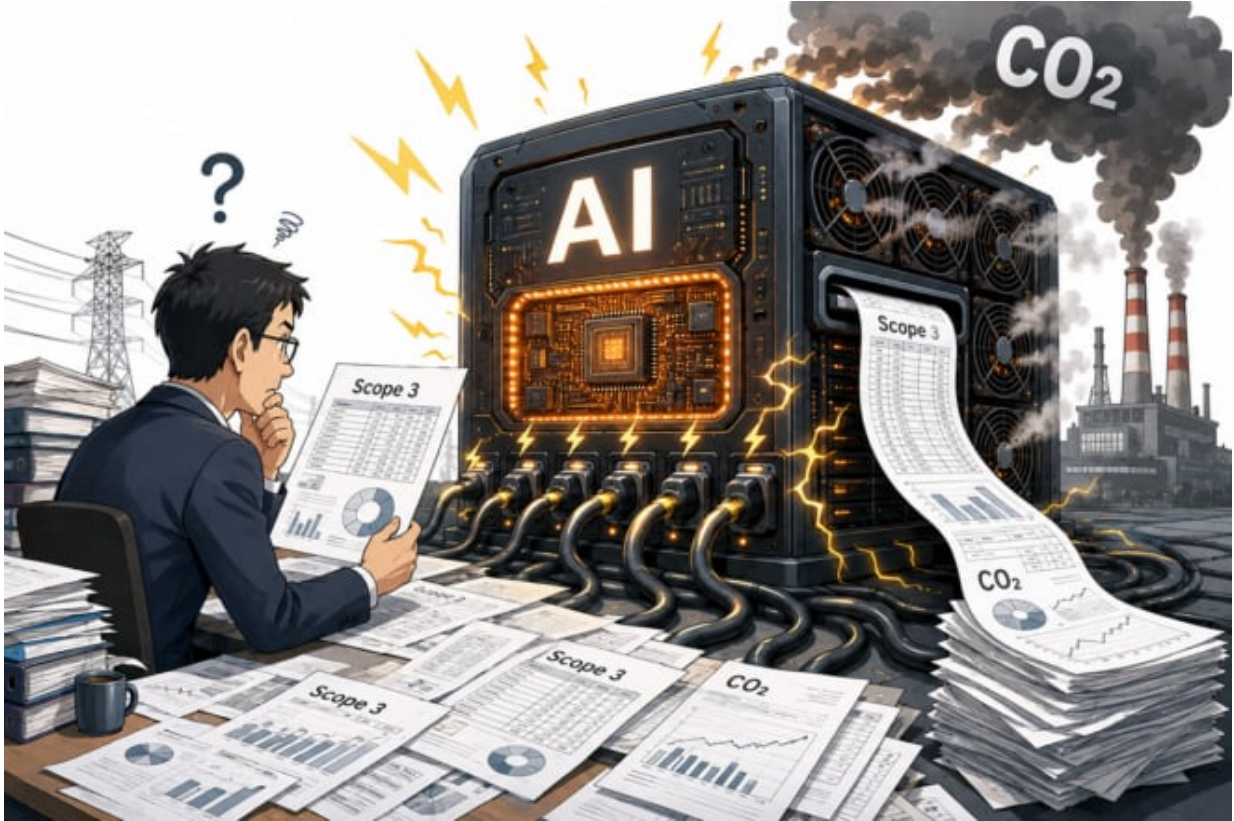
????JERA????????????????????JERA????????????????????????????

[illegible]

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

????????AI?????3????????

?? ?? · Thursday, August 20th, 2026



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?3??????????12?????

13
14
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全国1年間の出張に係る交通費、宿泊費、バック旅行の参加費については、『旅行・観光消費動向調査（2010年）（観光庁）』より引用しています。

この排出原単位は、出張の有無にかかわらず、下記（参考）に示す常時使用する従業員の全員に乘じます。

②延べ出張日数当たりの排出原単位＜事務局＞

参考として、出張種類当たりの平均出張日数を基に、出張種別の従業員・日数当たりの排出原単位を以下に示します。

1年間に消費された交通費、宿泊費、バック旅行の費用の統計データを全就業人口で除し、1年・1人あたりの消費額を算出。金額当たりの交通手段別排出原単位と宿泊の排出原単位を用いて算出しています。

なお、バック旅行については、各旅行種類別（国内日帰・国内宿泊・海外）の主要交通費・宿泊費比率で按分し加算しています。

この排出原単位は、延べ出張日数（人・日）を全体もしくは出張の種類別に把握したものに乘じます。

種別	①従業員当たりの排出原単位 (tCO ₂ /人・年)
出張	0.130

の延べ出張日数当たりの排出原単位

< > ...

10旅客

11交通費

12宿泊

13従業員

14従業員【勤務日数】

15建物【エネルギー】

?4????????????13???????

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?1????????kg-CO2??

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

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

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????????????Energy Bad Boys??Big Tech's Big
Fumble????????????????????????????????AI????????IT????10????????????????????????????
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??100%?????
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2016??Amazon?Apple?Google?Microsoft??
??100????????????????????
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2018??
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???2026???12????

???2019???Microsoft?Apple?AWS?LinkedIn????????????????????????????????
???????24????????????????????

????????AI????????????????????????????2023????????4.4????2028???6.7?12??
????????????????????????????24??365????????????

????????IEA????????????????????40????24????20????15????2030????
????????????????????4????

????????100????????????100????????????????????????????100????
????????????IEA??100????1
00????????

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

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Microsoft?2024??Constellation
Energy?20????????????2019????????1????Crane Clean Energy
Center????????

Google?Kairos
Power????2035????500MW????Google????24??365????

Amazon?X-energy????2039???5GW???SMR????

Meta?2026?1????????6.6GW????Meta????
??AI????

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LP??200????2019????????100?? RE
Action?300??

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

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?? ?? · Monday, August 17th, 2026



2026?7??NEDO??JFE?????7??NEDO?JFE????????????????????YHC????????????????????
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https://www.nedo.go.jp/news/press/AA5_101957.html

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??2000????????EAGLE????NEDO????????????150????
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2008????COURSE50??CO????????
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NEDO?GREINS??
????????????????

????????COURSE50?Super
COURSE50????????????????????????????????2024?12????CO????43????2026?3??45????
NEDO????

??JFE??COURSE50????????????????
??????JFE??

GREINS???????????????????????????? × ??? × ?????????JFE????????????

50????????

1970??
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??NEDO????????????

???COURSE50????????????????????????????COG????????????GREINS????

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

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?? ??? ?? · Thursday, August 13th, 2026



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NPT???????????

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??NATO????????????????NPT????????????
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60??NPT????????
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??1976????NPT????????????????6????
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Posted in [??????????](#), [??](#), [??](#) | [No Comments »](#)

??EU?CBAM????CO2????????

?? ?? · Thursday, August 13th, 2026

またEUのCBAMで 出鱈目： CO2排出量データに 大量ミス

Customer	HS Code	Product	Unit	CO ₂ Emissions (tCO ₂ /t)	Total Emissions (tCO ₂)	Embedded Emissions (tCO ₂ /t)	Remarks
CH	7208.25	Steel - Flat	t	1.35	24,500 12,300	1.35	Check
IN	7208.26	Steel - Flat	t	0.85	4,000	0.85	
TR	7208.27	Steel - Long	t	3.08	3,800	3.08	Check
RU	7209.16	Steel - Flat	t	-0.50	15,600 23,900	-0.50	Data missing
UA	7210.12	Steel - Flat	t	50	-2,400	120	Error
BR	7213.91	Steel - Wire	t		N/A	0.95	
ZA	7214.20	Steel - Bars	t		N/A	N/A	

???EU?????????CBAM??

?????????EU????????? | ??? ??????????

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?????????CBAM?????????????????

?????????EU?????CBAM????????? | ??? ??????????

?????????EU????????? | ??? ??????????

???2026?1?1???CBAM????????????????????????????????????

??EC????????????????????????????????????

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

CBAM?2026?1?1????????????????2023?5?16????????????????????????????CO2?????????

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??EU?????????CO2????????????????????CO2????EC????????????????????CO2????EU-

ETS????????????????CBAM????????????????????????????

??2026?7?31?EC?????????????????????????
?EU 2026/1740?????????

Implementing regulation – CFSP – 2026/1740 – EN – EUR-Lex

????????????EC????????????????????????transcription
mistakes????????inadvertently omitted????????????

2025?12????????EU2025/2621????????EU2026/1740????????????????????????
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????CN?Combined
Nomenclature????EU????????????????????????????????????HS?Harmonized
System????EU???

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????????CN 7218?7223?
????8.67?10.0tCO₂eq????????????????????????Other Countries and
Territories????4.82?5.02
tCO₂eq????????????CBAM????????????

????????CN 2804 10 00?
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????????CN 7202?
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????????CN 2601 12 00?
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????0.617?0.686 tCO₂eq????????

????????7????????

????????2026?1?1????????????????????????
???CN????????????????????????2023?5??2????????
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????????EC????????7????????EC????????
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????2026?1?1????????CBAM????????
????2023????2026?1????????
????EC????ESG?G????

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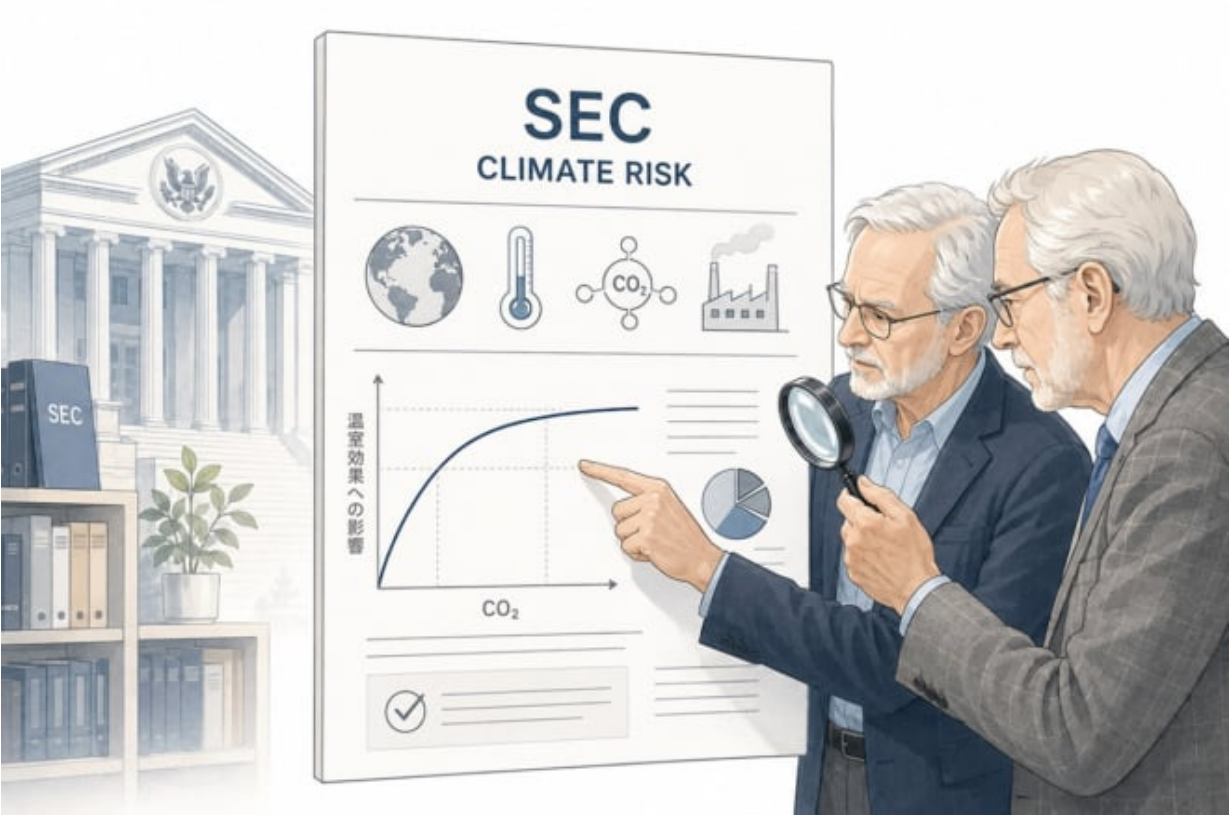
????????CO2????????????????EC????????????????????????????????

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

????SEC????????????????????????????

?? ?? · Tuesday, August 11th, 2026



????SEC????????????????????????????????2024????????????????????GHG

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????File No.

S7-2026-19????????????????MIT????????2026?8?3????

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

Coalition????????

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—————?—————D
aubert v. Merrell Dow Pharmaceuticals, 1993

CO2

??20ppm??1750??CO2??280ppm??CO2??
??1750??280ppm??420ppm??CO2??0.32??75??
??CO2??600ppm??0.28??

6

CO2??7,000ppm??
CO2??

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SEC??10??49??
SEC??

CO2??
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Posted in [???, ??, ???](#) | [No Comments »](#)

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?? ?? · Sunday, August 9th, 2026



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??? 7????????????“????????????”

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【TV】

- NHK | おはよう日本 (2026/08/04)

【新聞】

- 毎日新聞「7月中～下旬の西日本、平均気温が過去最高 温暖化も影響」(2026/08/04西部朝刊)
- 朝日新聞「『酷暑』観測地点、すでに昨年超え」(2026/08/04朝刊)
- 山陽新聞「7月記録的暑さ 温暖化が影響 東大研究者ら分析」(2026/08/05朝刊)
- 秋田魁新報「7月高温は温暖化が影響」(2026/08/05朝刊)
- 日本経済新聞「7月後半の西日本高温、人為的温暖化で発生 東大など分析」(2026/08/05夕刊)

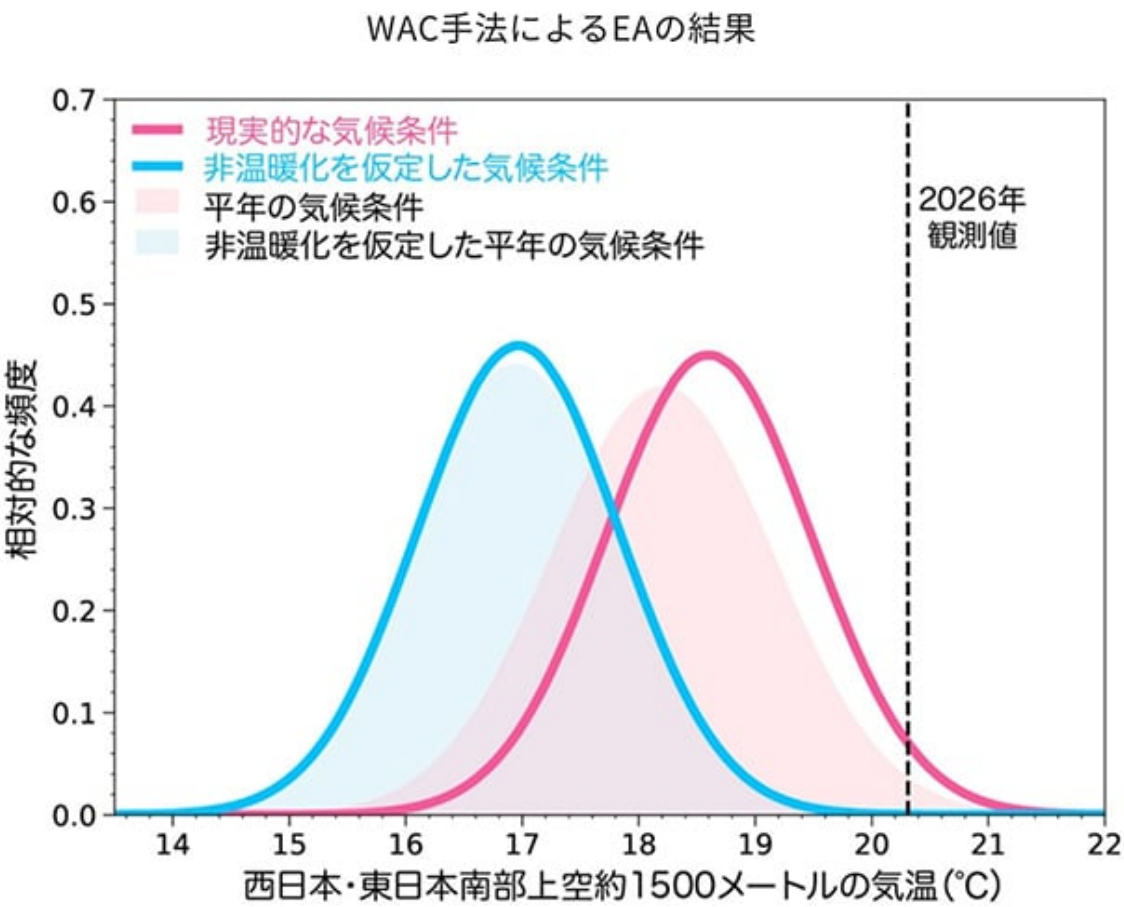
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0.006%
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1.6
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25?

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[illegible][illegible][illegible]

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?1???2023?4?10?????????????????????????????????????
?????????2025?4?23??

?2???????30???2025?3?6??

[illegible]

?4????????????????????????????????2021?5?24??

75?????IPCC????59??2022?5?20??
?????2023?6?29??

[illegible][illegible]

8302024926

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

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

?? ?? · Saturday, August 8th, 2026

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

???2050??????Ver.2????????WEEK???????

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?2050????????????2050??????Ver.2????

??10????????????20????????????
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0??150????????⁷⁷????CO2????????

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????2050??CO2????2050????

???0.006????

2025427

73??202542??

74?????IPCC?????SI????????????????????????2022?4?19??
25????????????????????????????????02027218??

262222220502C0222220 012222222221mm2222222220202102722

77???????GX????????????????????????????????02??11?3??

?8?????????????????????????????????2020?12?2??

99????????????????100??7????????2020?11?11??

?10????????????????????????2026?6?28??



?? ?? · Wednesday, August 5th, 2026



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$120?? \div 1?? \times 0.5? \approx 0.006?$

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0.006????????????

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?2?????????7?12??

?3????????????????????IPCC???6????????1850???2019????????CO2????2?4000????????IPCC?CO2????1???

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?4????????????????

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?? ?? · Thursday, July 30th, 2026



Ronald Stein, P.E.?????????America Out Loud NEWS?2026?7?21?????????Eurasia Review?The Heartland Institute?News With Views?David Blackmon's Substack?Energy Security & Freedom Substack??????

Beyond net zero: Toward a carbon symbiosis society – America Out Loud News

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????Carbon Symbiosis??

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Posted in ???, ????? | No Comments »

????????????????????EU-ETS

?? ? · Wednesday, July 29th, 2026



7?17????????????????????EU????????EU-
ETS????????????????????

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- ???CO2????????????
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7?????????EU?????EU-ETS?????????????????CBAM?????????????????

- [illegible]

?????????????????????????????????2025????????????????????????????CO2????????????????????
 ?????????????????????3?1?34%??????40%????????????????????2023????????????????????
 ?????????????????45%??

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ETS??4.3%??2031?35???3.7
%?2036?40???1.7%???????

[illegible]

???ETS??

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27????????????????EU????????????????

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[illegible][illegible]

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

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

????3????????????CO2????Microsoft????????

?? ?? · Wednesday, July 29th, 2026



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????3????????????????????????CO2????????????CO2????????????????????????
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???3?CO2????? | ?? ?

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??CO2?????????
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???3????????????????????????????????????Microsoft????????

AI????????????????CO2???????

Google?Amazon?Microsoft????????CO2????????Google?1,880???Amazon?8,085?????
Microsoft????3????????????????????????????????????

Microsoft?CO2????25????AI????????????

Microsoft??2026????????????????????????????????????25????????????
????AI??
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???3????????????????85.8????1????12????????????
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????3??Microsoft??
????????????SAF????????????????????????
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SAF????Microsoft? ?????Microsoft Supplier Code of Conduct????

2030 ?????????????????????????????????SAF????

54



Choose SAF

Choose Microsoft

Enabling Microsoft suppliers to take climate action with sustainable aviation fuel | Choose



2025-2030
Choose Microsoft Choose SAF

Microsoft SAF Microsoft

SAF CO2 CO2 3

Microsoft 3

Microsoft

Microsoft 2026 Environmental Sustainability Report — Data Fact Sheet Reporting on our 2025 fiscal year

1.1 Greenhouse gas (GHG) emissions

Table 1A – GHG emissions by scope (mtCO₂e)

	FY20	FY21	FY22	FY23	FY24	FY25
Scope 1	118,100	123,704	139,413	144,960	143,510	170,887
Scope 2						
Location-based	4,328,916	5,010,667	6,381,250	8,077,403	9,955,368	12,030,556
Market-based	456,119	429,405	288,029	393,134	259,090	2,707,428
Subtotal emissions (Scope 1 + 2 market-based)	574,219	553,109	427,442	538,094	402,600	2,878,315
Scope 3 ¹						
Category 1 – Purchased Goods and Services ^{2,3,4}	4,587,000	5,265,000	5,417,000	5,648,000	5,606,000	5,129,000
Category 2 – Capital Goods ⁴	3,434,000	4,085,000	4,785,000	5,990,000	6,291,000	9,044,000
Category 3 – Fuel- and Energy-Related Activities ⁵	323,000	369,000	469,000	590,000	708,000	1,075,000
Category 4 – Upstream Transportation and Distribution ^{4,6}	293,000	358,000	464,000	421,000	665,000	823,000
Category 5 – Waste Generated in Operations	9,500	5,700	8,000	8,000	8,000	14,000
Category 6 – Business Travel	329,356	21,901	139,000	133,000	260,000	239,000
Category 7 – Employee Commuting	317,000	80,000	141,000	187,000	208,000	284,000
Category 9 – Downstream Transportation and Distribution ⁷	182,000	195,000	193,000	194,000	118,000	86,000
Category 11 – Use of Sold Products	2,983,000	3,950,000	5,101,000	3,941,000	2,417,000	1,540,000
Category 12 – End-of-Life Treatment of Sold Products	17,000	19,000	18,000	4,000	3,000	3,000
Category 13 – Downstream Leased Assets	11,800	9,600	8,000	7,000	6,000	6,000
Subtotal emissions (Scope 3) ⁸	12,487,000	14,358,000	16,743,000	17,123,000	16,290,000	18,243,000
Total emissions (Scope 1 + 2 + 3) ⁸	13,061,000	14,911,000	17,170,000	17,661,000	16,693,000	21,121,000

Microsoft12320202025

FY20FY25

- 145%11.817.1
- 2178%432.91,203
- 2494%45.6270.7
- 346%1,2491,824

Microsoft
t202510

3FY20FY255762561163%3

32

2025 Environmental Sustainability Report Accelerating progress to 2030

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AI????LCA????Makersite????AI????????????????LCA????????????LC
A????????????????????????????????

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???????CO2??DEFRA??2
014?3????????????????????????????????????DEFRA????????????????????CO2?????
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????LCA????AI????????????????????????????????????DEFRA?2014????????????????
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AI????????????????????????????2????????????????????????????????????CO2????????
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??DEFRA????????

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????2????CO2????????????????????SAF????????????????????????????
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????Microsoft????????????????????????2?904????????1?513????????
????????????????1?CO2????????????????????????CO2????

????????3????????????????????????????????CO2????????
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Posted in [???, ???, ???](#) | [No Comments »](#)

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??? ?? · Sunday, July 26th, 2026



2026?7????????????????????????8????????????????????????????????

??11????????????????????

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?1????PG????????????????????????????????

03.09.2026

[illegible]

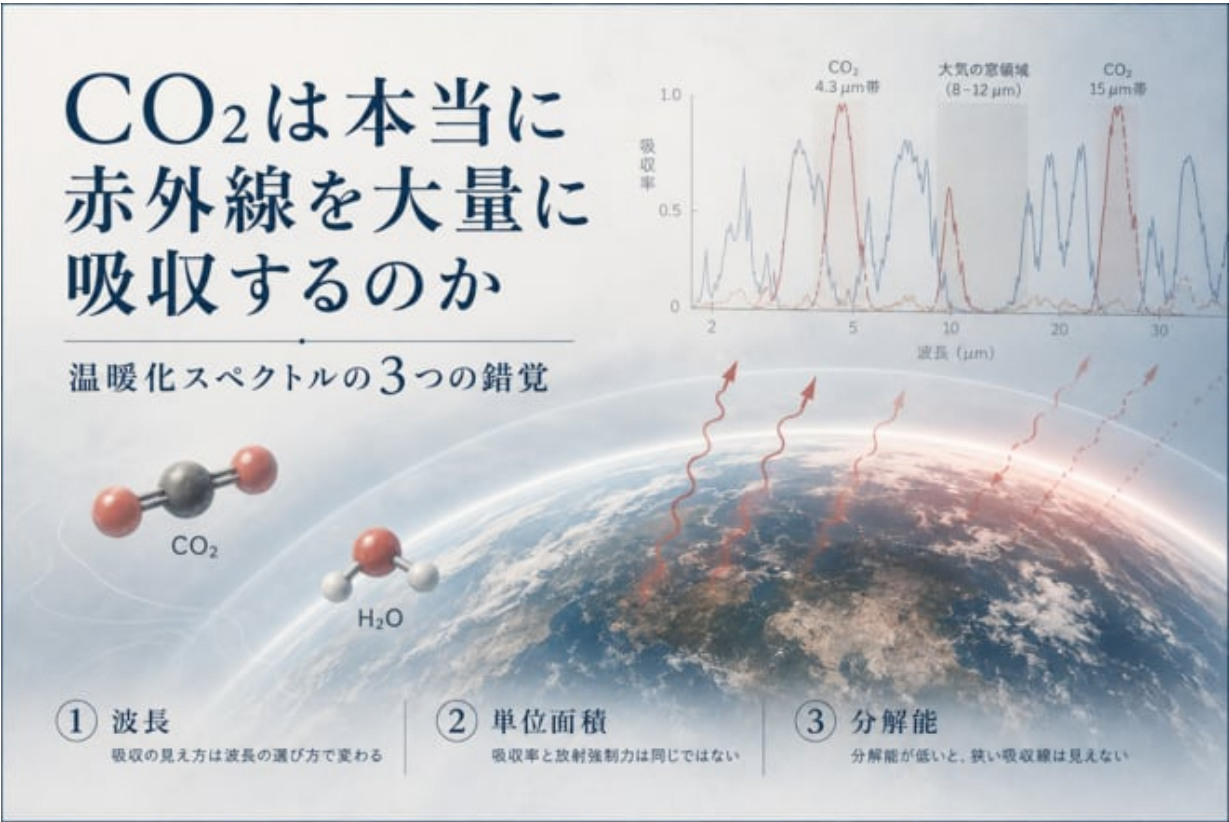
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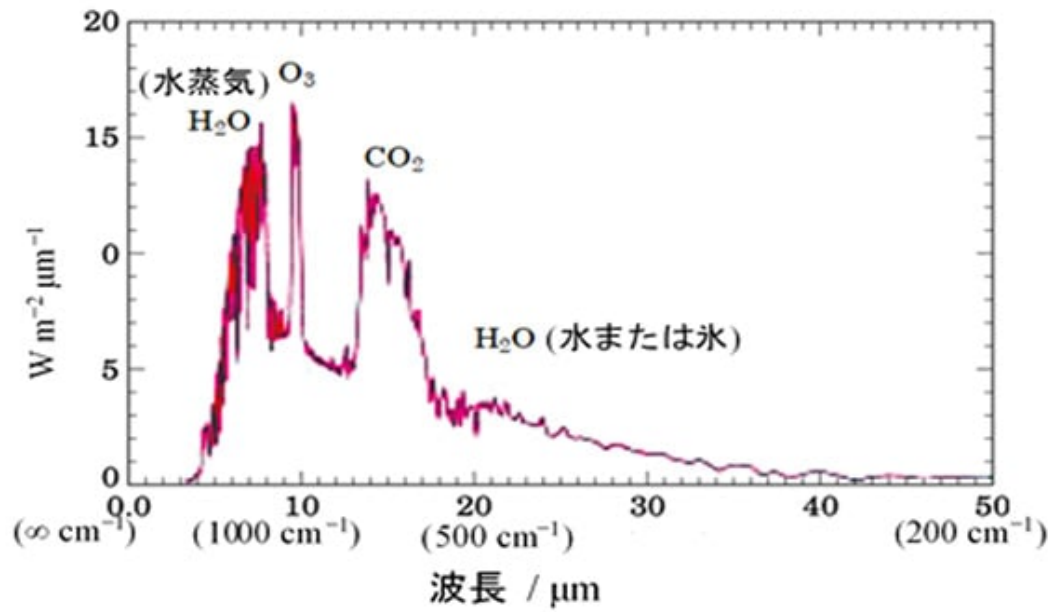
Posted in ??????????, ??? | No Comments »

CO2??3?????

?? ?? · Friday, July 24th, 2026



IPCC??1????????????????????
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????????????CO₂??3????????????

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

?1??1?m??14?m?15?m??
????????????4?m?5?m????????????????????

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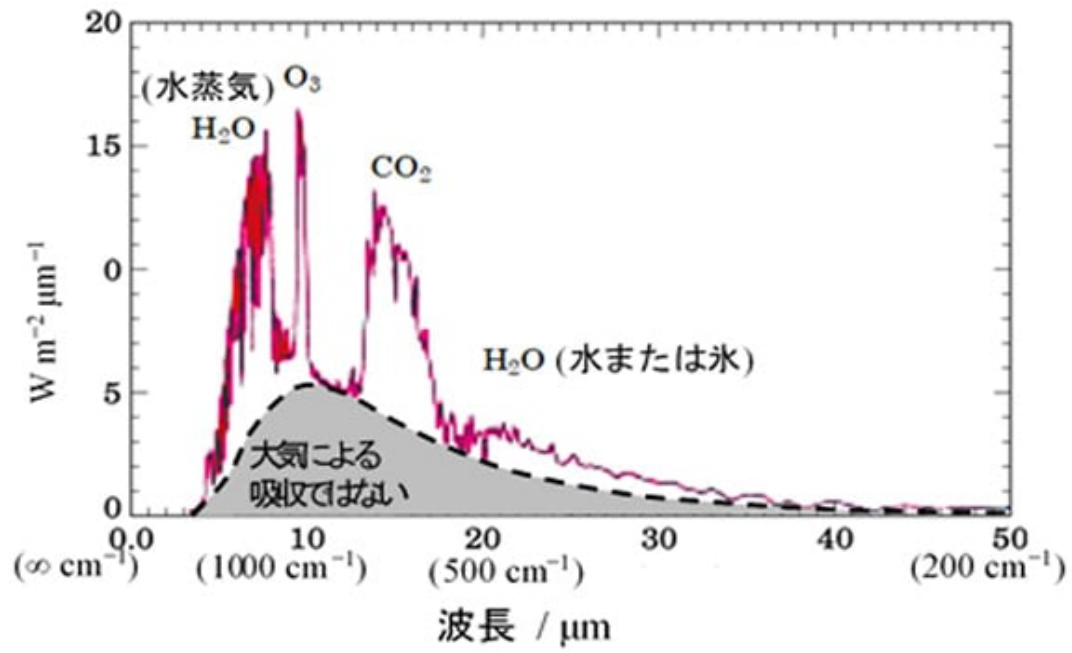
?1???CO₂????13?m?17?m????H₂O????5?m?8?m????????????CO₂????????180cm⁻¹?
=770cm⁻¹?590cm⁻¹????H₂O????????750cm⁻¹?=2000cm⁻¹?1250cm⁻¹????1/4????

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

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?????6370km????????4?×?4.06×10⁷
km²????600km????????6.97×10³km=?
600km?6370km????4?×?4.86×10⁷ km²????

????????1.2????????????20%????2????????????
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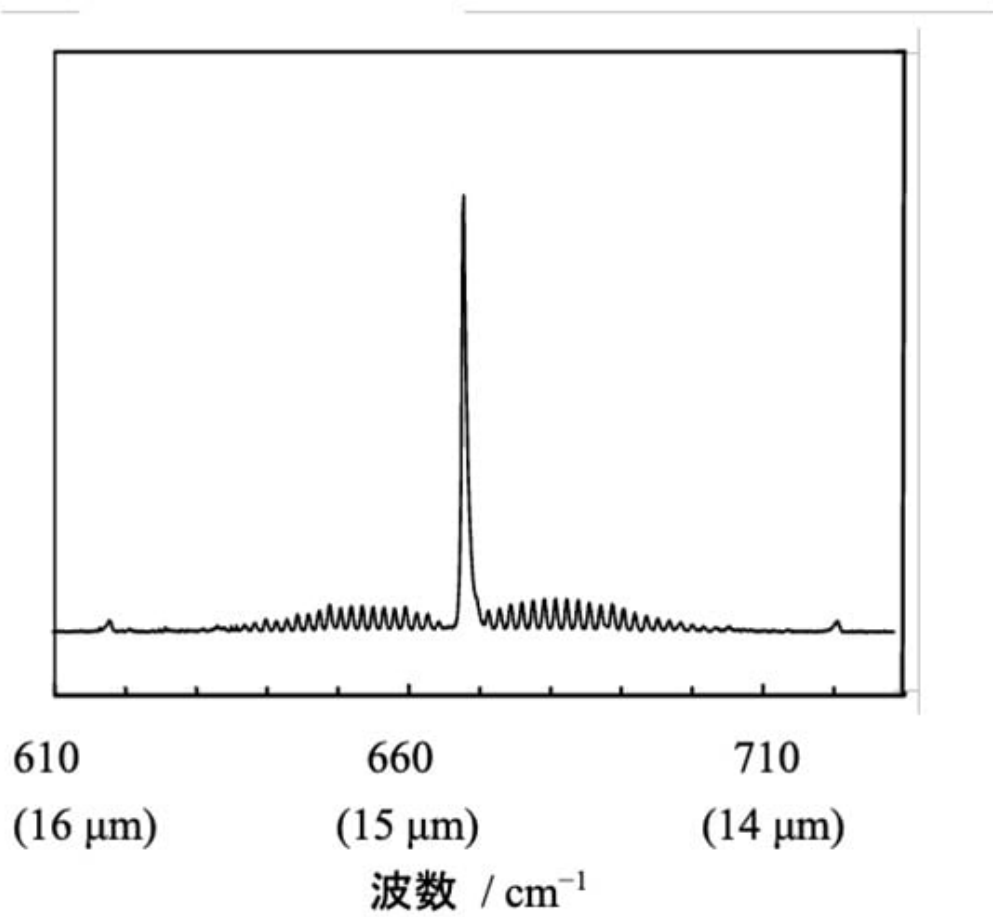
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3. ?????????

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cm^{-1} ??1????????

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

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cm⁻¹×0.1÷1.5????

??0.48%??100 %×12 cm⁻¹/2500
cm⁻¹????????²²?

?1????????????????????Q&A 181????????????????2024??
?2????????????????????????????????2026??

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

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?? ?? · Thursday, July 23rd, 2026



1861??

??94??34.4??????????????

???34.4?——??
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??1853????????7????????29????????1876????
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?? ?? · Wednesday, July 22nd, 2026



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OECD382

ABCD America Britain China Dutch

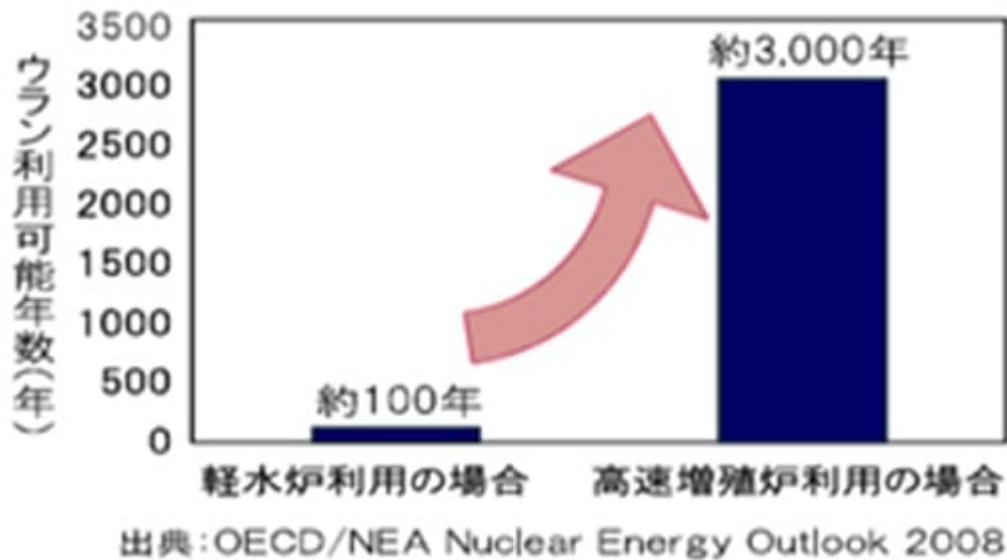
2100

100

50100

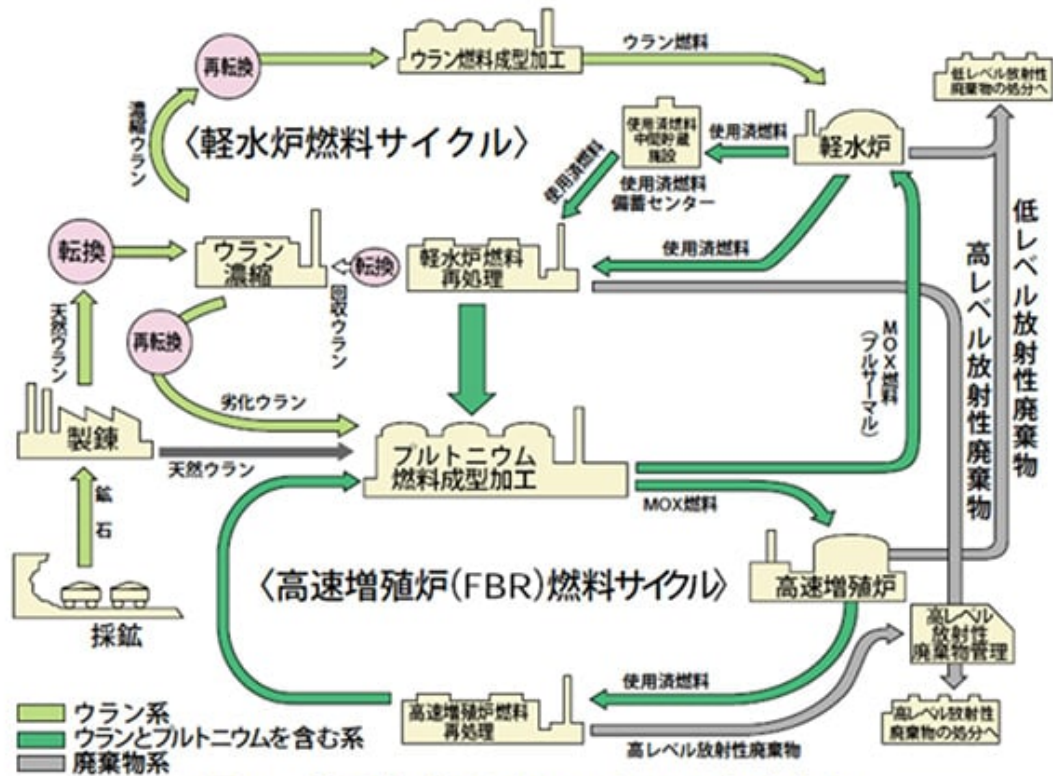
46 PFBR50kWe

1



1

0.5% 0.75% 60%



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????????????????45????????????????

????????????????????????????????????1,000?200,000

ppm?0.1?20%????????????????????????????????0.003 ppm??6????????

主な岩石などのウラン濃度

高品位ウラン鉱床(20%)	200000	ppm
一般的ウラン鉱床(0.1%)	1000	ppm
リン鉱石(0.01%)	100	ppm
花崗岩	4	ppm
地殻中の平均濃度	2.8	ppm
海水中の濃度	0.003	ppm

出典：小野章昌、「ウランは十分あるか?」、Global Energy Policy Research (2016年10月25日)

ウランは地殻中に広く分布しているが、高品位のウラン鉱床はごく限られている。地殻中の平均濃度は2.8ppm、花崗岩中の濃度は4ppm程度である。一方、海水中の濃度は0.003ppmと非常に低い。高品位のウラン鉱床は、主にアフリカ、オーストラリア、カナダなどに集中している。

ウランは地殻中に広く分布しているが、高品位のウラン鉱床はごく限られている。

- ウランは地殻中に広く分布している
- 高品位のウラン鉱床はごく限られている
- ウランは地殻中に広く分布している

3. ウラン資源の分布と需要

3.1. ウラン資源の分布

ウラン資源は地殻中に広く分布しているが、高品位のウラン鉱床はごく限られている。地殻中の平均濃度は2.8ppm、花崗岩中の濃度は4ppm程度である。一方、海水中の濃度は0.003ppmと非常に低い。高品位のウラン鉱床は、主にアフリカ、オーストラリア、カナダなどに集中している。

ウラン資源は地殻中に広く分布しているが、高品位のウラン鉱床はごく限られている。

ウラン資源は地殻中に広く分布しているが、高品位のウラン鉱床はごく限られている。

1951年12月20日、アメリカ合衆国で最初の原子力発電所であるEBR-1が稼働した。これは1,000 kWt、200 kWeの出力を持つ原子力発電所であった。

1977年、アメリカ合衆国で最初の商用原子力発電所であるCRBRが稼働した。これは1,000 kWt、200 kWeの出力を持つ原子力発電所であった。

21世紀には、原子力発電の需要が増えることが予想されている。4世代原子力発電所（Gen-IV）の開発が進められており、GIF（Generation IV International Forum）が設立されている。SFR（Sodium-cooled Fast Reactor）は、原子力発電の需要を増えることが予想されている。

ナトリウム冷却高速炉（SFR）は、原子力発電の需要を増えることが予想されている。34.5 kWt、4 MWeの出力を持つ原子力発電所が稼働している。SFRは、原子力発電の需要を増えることが予想されている。

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????????Rapsodie???Phenix???Super Phenix????MOX????????????

?? Super
Phenix?120?kWe????SFR????????????????????????????????1998????
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????ASTRID?60?kWe????????????????????????????????????

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???1959???SFR????BR-5/10?BOR-60????BN-350?BN-600????2016????BN-800???
????2035????BN-1200????????????

????UO2????UO2???MOX????MOX????????

BN-600????21????12????76%????

??—????

???21????2010????CEFR?2.5?kWe????2017?2020????
?CFR?60?kWe×2????2030????CFR?100?120?kWe?2????

????UO2????MOX????

????Pu????

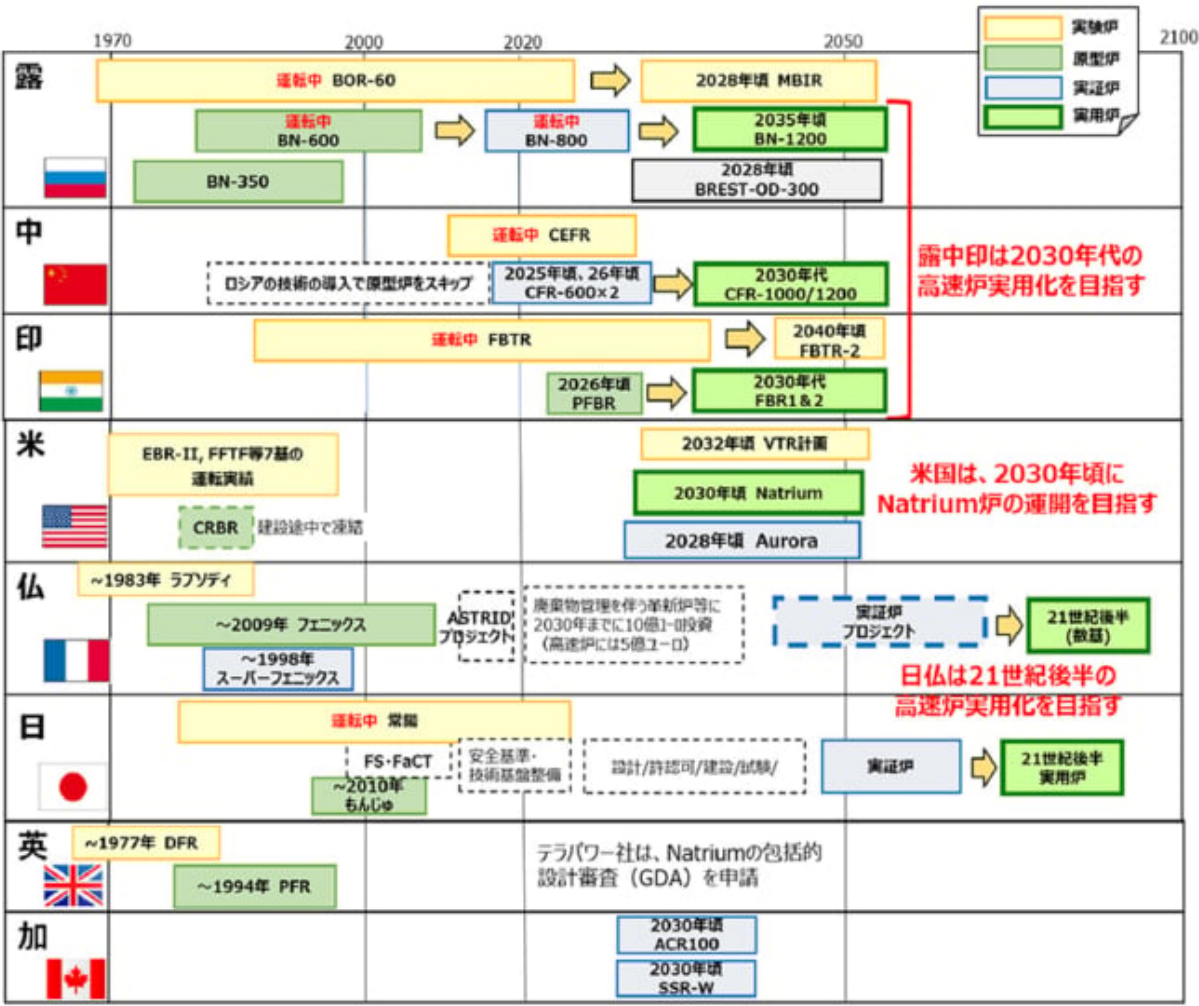
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????Rapsodie????1985????FBTR?1.36?kWe????
????4????PFBR?50?kWe????

????2????3????

P F B R ? ? ? ? ? F B R
1&2?50?kWe???2???Pu????MOX????Pu????
???3????

? 1974????Pu????



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??PWR????????????????????

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

2026?7?4????????????????????250??3????????????????
????????????2025??5??????????

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????????????4????????????Aalo Atomics????????7?4????????????????????????????Valar
Atomics????????????2????????????????????????NVIDIA????????????????????

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

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???.....????????????????????

????????????????????3????????4??
????????????????????????

3. ???????????????????

??2026?2????????????????????
????????????????????????????????????

??Valar
Atomics??

???——????????????????
???AI??

4. ???????????

??250??
????????????????????????

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5. ?????????????????????

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?1970??

????2025?5??
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? Whole Earth
Catalog??
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6. ???????????3???

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

??????????????????????????????????????1977??????????????50????????????????????????????
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7. ???—???????

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??????????2026?7?14??

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

?? ?? · Monday, July 20th, 2026



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??12???
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 ??????????—???—????????????????????????????????

$$C_{batt} = (L_{day} \times N_{auto}) / (DoD \times ?_{inv})$$

C_{batt} ?????????kWh?

L_{day} ?????????kWh/day?

N_auto?????????????
DoD????????????50?80??
?_inv?????????????

??
??2????????????????2????7????????????
????????????????

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?????????????????
N_auto?1?2????????????5?7????????????????????????????????????

???????N_auto?5?7????????????????????????????????????

?????????kWh?????????kW??
????????????????????????????????????

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$$E_{area} = G_{avg} \times ?_{module} \times ?_{sys}$$

E_area?????????kWh/m²/day?
G_avg????????3.8 kWh/m²/day?
?_module????????20??
?_sys????????80??

?????????E_area?0.61
kWh/m²/day????10kWh????16.4m²????2????
????49m²????7????131m²????

????????40?60m²????

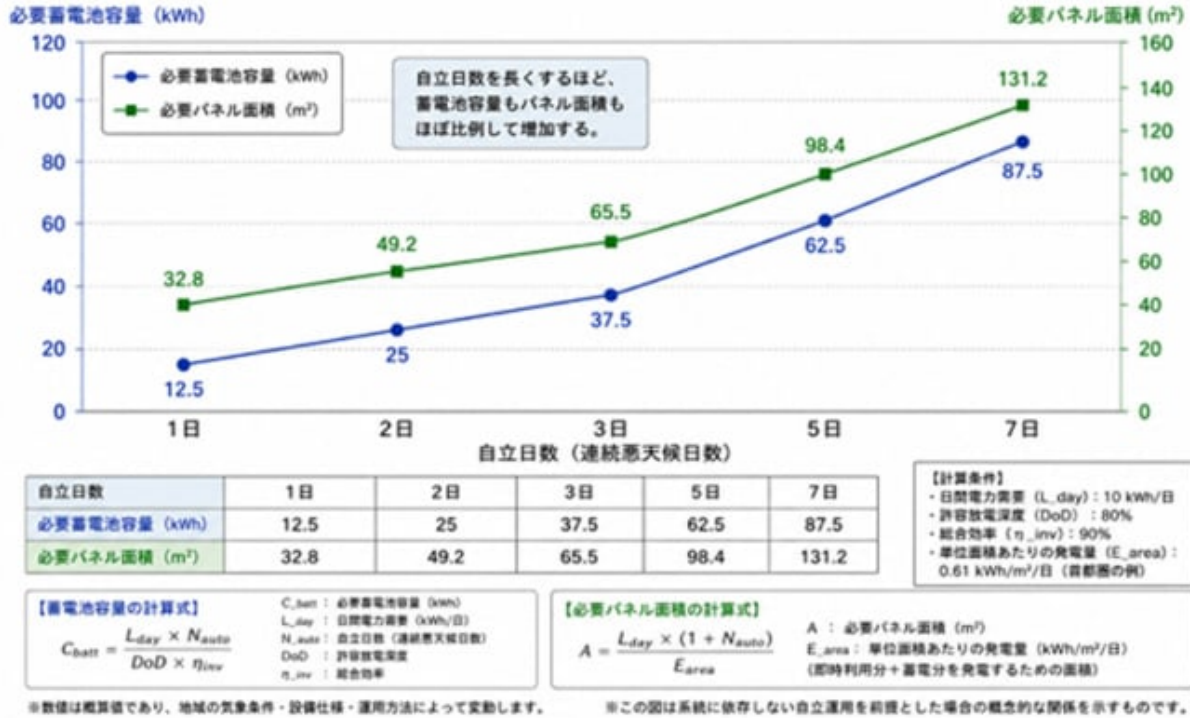
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??2?3????

自立日数の増加に伴う必要蓄電池容量とパネル面積の関係 (概念図)

日間電力需要：10 kWh/日 (首都圏の例)



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????????????????????

????????????????????573kW/km²????????????????1.7????????23????????
????????34??13?km²????????????????

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????????????????LNG????????????????
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????????????E_{area}????????
????????

????????573kW/km²????????FIT????????
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