

CO₂ N₂ O₂

CO₂ CO₂ CO₂

CO₂ CO₂ CO₂ N₂ O₂

CO₂ N₂ O₂ O₂ CO₂ N₂ O₂

CO₂ N₂ O₂

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Q&A 181 2024?
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????????????????????????????????????

?Net Zero????????2050??

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???2024?7??2030????????????????????????????95???
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??2035?GHG?81??1990????NDC????????????
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??????5?26????????????????????The Labour Party Is Playing With Fire Over Its Future and
the Future of this
Country????????????????????AI????????????????????
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??Does our economy need right now the
goal of clean energy or cheap energy????????????????????Net
Zero????????????

?????Net
Zero??
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???????Clean Power 2030????????????????Clean Power 2030????????Great British
Energy????????????2030????????????????????
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rdability??Jackdaw???
Rosebank????????????????

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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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??500????????????????????

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??Natrium??i-
SMR??

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27.08.2026



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2026?8??Bloomberg????????????2028????????COP33????????????

???COP31???????COP32????????????????????????????????????2028????????4?????????
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2028	COP33????????????????
2030	CO2????????????????
2035	????????????—????????
2049	???????100????????
2060	????????

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

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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????

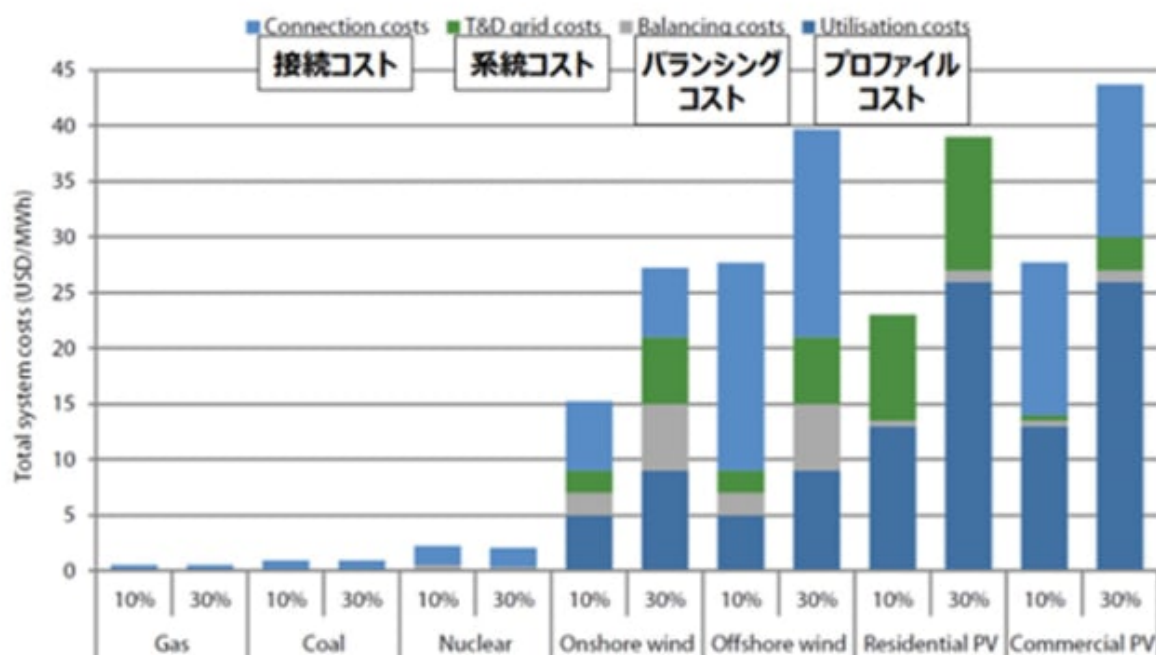
????????????——????????
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LCOE????????

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

????FCOE?Full Cost of
 Electricity????
 ?????IEA????

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 ?????



??OECD????2018????????????????????????????????

[illegible]

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[illegible]

????LCOE????????????????????——????????????????——????????????????????LC
OE????????????????????

[illegible]

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

??COP33??
 ?????4?1??

[illegible]

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

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

??? ?? · Monday, August 24th, 2026



2026?6?24??JERA??

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??CO2????????????????????
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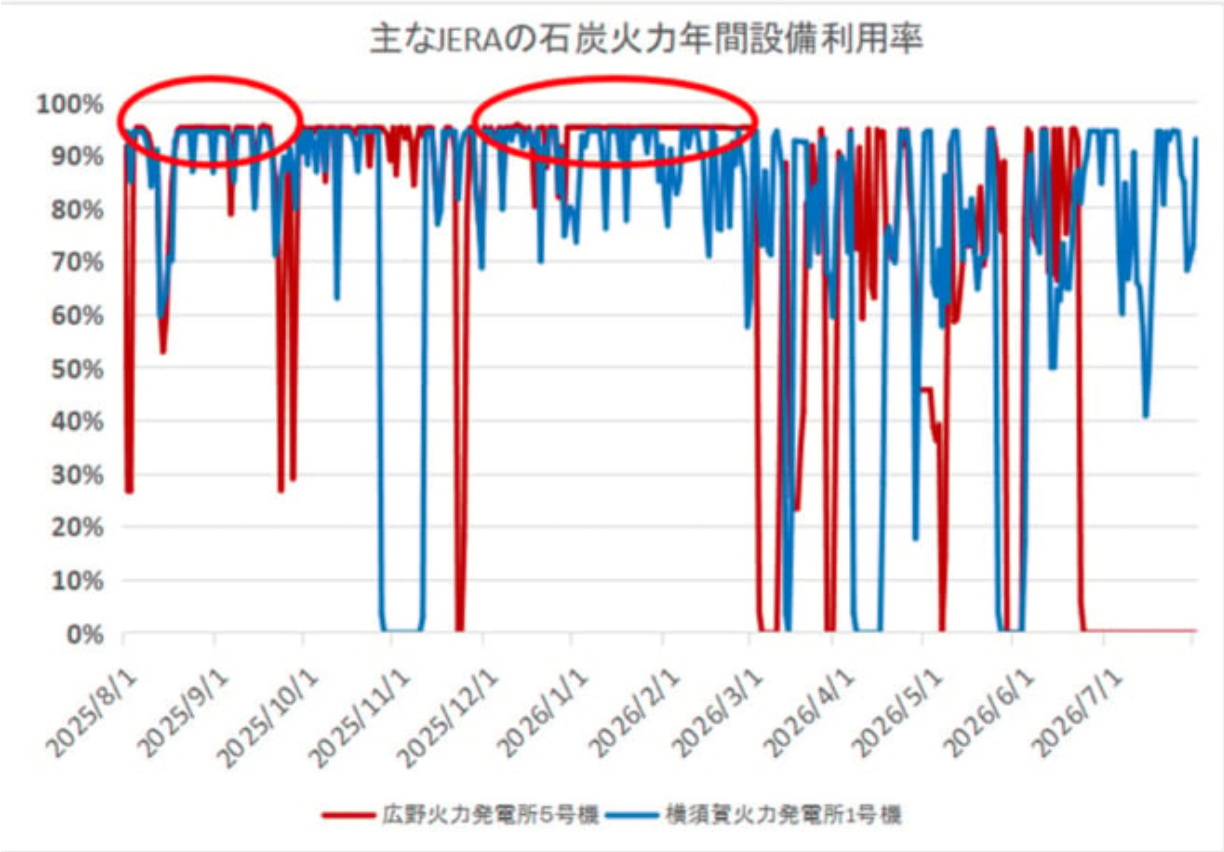
????????42????????????????????????????????50????????????????????42???
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???2026????????50????????????????????LNG????????????LNG????
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JERA????????65?77?

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

????????????????????????????100????3??6????????????????????

ユニット名	年間設備利用率
常陸那珂火力発電所1号機	72%
常陸那珂火力発電所2号機	66%
広野火力発電所5号機	72%
広野火力発電所6号機	73%
横須賀火力発電所1号機	77%
横須賀火力発電所2号機	65%

?2?JERA????????????????

2025?8??2026?7?OCCTO?????????

??JERA??OCCTO????????????????????????????????????
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[illegible]

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???JERA??

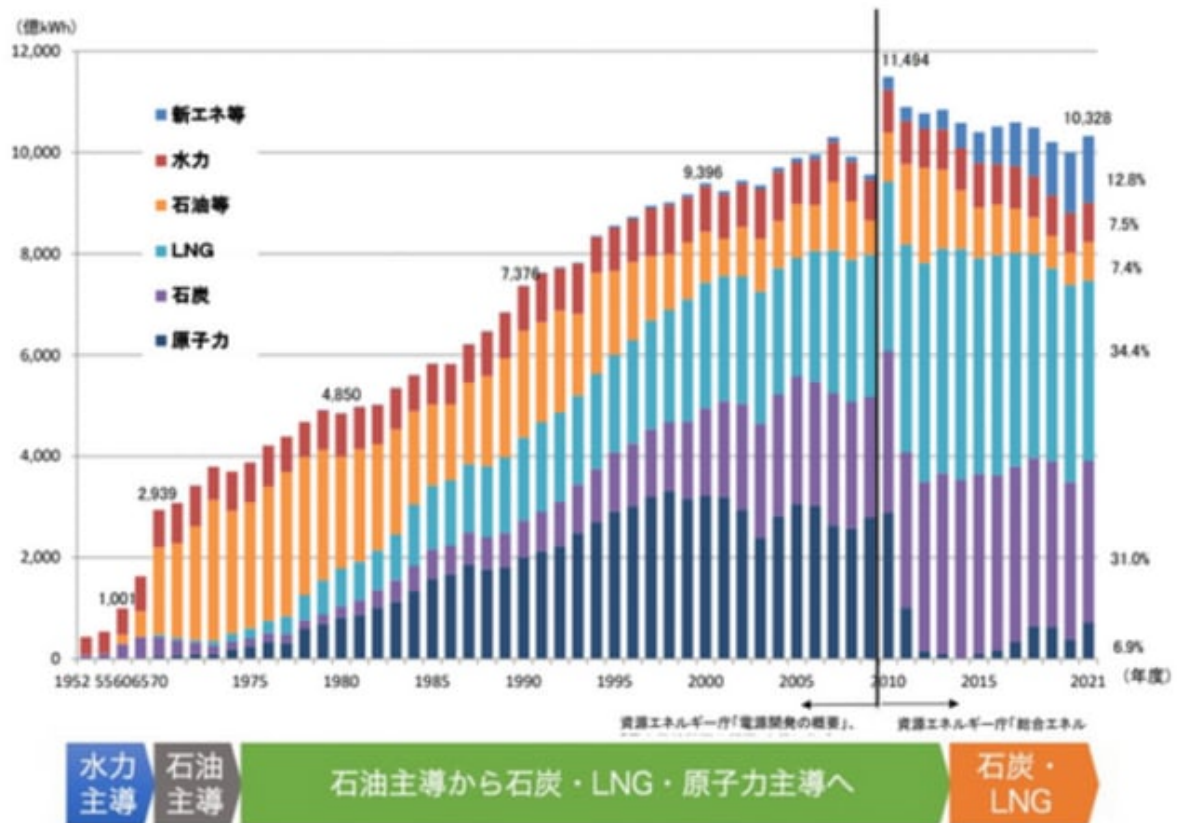
?????JERA????????????????????????????????

[illegible]

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???JERA????????????????????????????????????PPA?Power Purchase Agreement??

?????JERA???????6577??????15?20?????????????????????
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?2????????????2014?????????

2021????????????????31????????????20????????????????????????????????????
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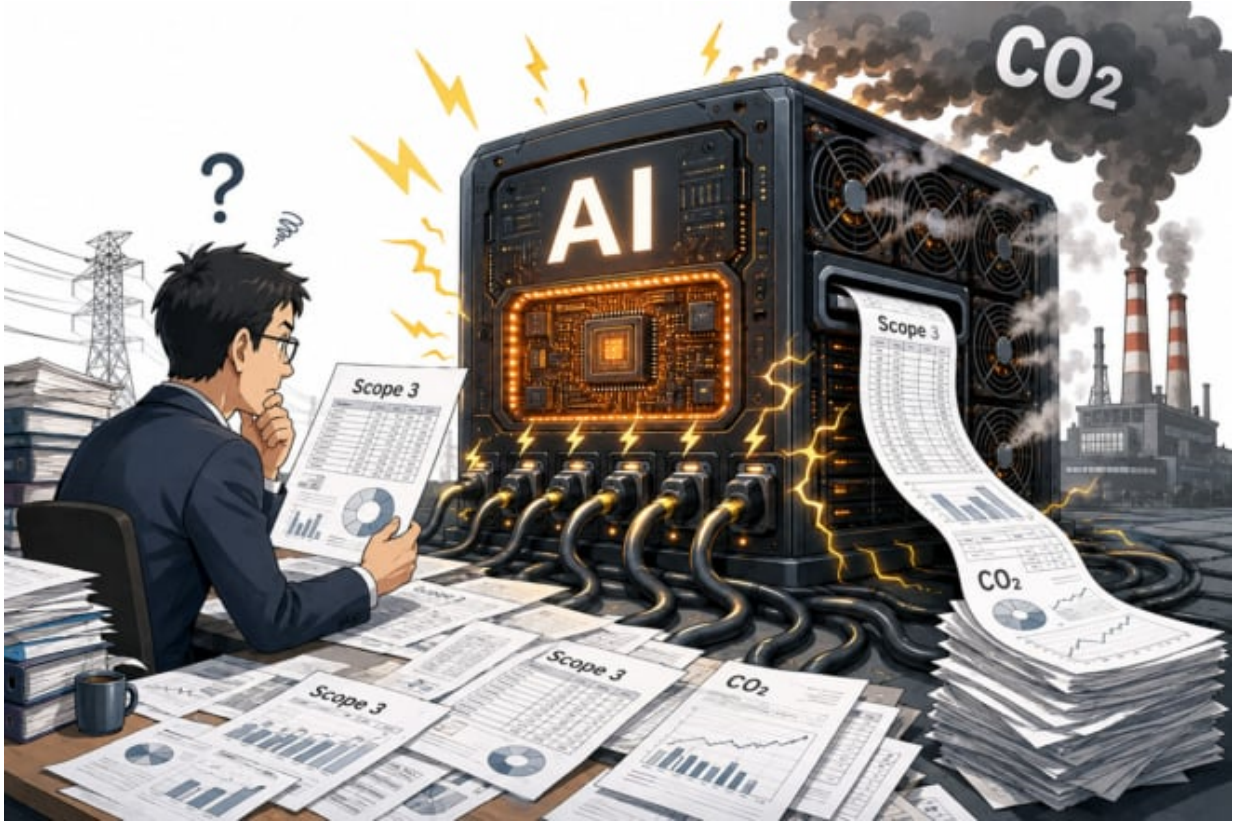
????JERA????????????????????JERA????????????????????

[illegible]

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

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

?? ?? · Thursday, August 20th, 2026



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 ?????????????????????2005??2010??2017??1?2?3?4??

表5-2. 産業連関表ベースの排出原単位(3EID:2020年表, GLORIA, 普通貿易統計を基に算定)					
No.	列コード	部門名	①物量ベースの 排出原単位	②金額ベースの 排出原単位 (生産者価格ペー	(参考)単価
			GHG排出原単位(I-A)-1 t-CO2eq/〇〇	GHG排出原単位(I-A)-1 t-CO2eq/百万円	(品目別生産額表2020より) 百万円/〇〇
28	1 011101	米	2 041 t	12.36	0.17 t
29	2 011102	麦類	0 688 t	15.23	0.05 t
30	3 011201	いも類	0 582 t	6.73	0.09 t
31	4 011202	豆類	2 483 t	9.94	0.25 t
32	5 011301	野菜	0 873 t	4.58	0.19 t
33	6 011401	果実	2 558 t	7.71	0.33 t
34	7 011501	砂糖原料作物	0 160 t	11.80	0.01 t

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[7]電気・熱使用量当たりの排出原単位<事務局>

Scope1○ Scope2○

Scope3(上流):Cat01○ | Cat02○ | Cat03● | Cat04○ | Cat05○ | Cat06○ | Cat07○ | Cat08○

Scope3(下流):Cat09○ | Cat10○ | Cat11○ | Cat12○ | Cat13○ | Cat14○ | Cat15○

<排出原単位について>

電気は33111101「電力, 日本平均, 2017年度」の構成を基に算出し、蒸気については工業用水調達段階を考慮しています。IDEA v2.3の公式ユーザーサポートの停止に伴い、電力・蒸気以外(石炭・原油・天然ガス、石油製品、都市ガス)の原単位については、産業連関表データベースの排出原単位(GLIO: 2005年表)より一部抜粋し、本シートへ追加しました(全体版は、サプライチェーンを通じた組織の温室効果ガス排出等の算定のための排出原単位データベース(ver.3.6)の「5産業表DB」を参照)。産業連関表データベースの排出原単位を用いて算出した場合、これまでの

<

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...

5産業表DB

5(参考)産業表DB(新)

6資本財

7電気・熱

8廃棄物【種類・処理方法別】

9廃棄物【種類別】

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[12]宿泊数当たり排出原単位<事務局>

Scope1○ Scope2○

Scope3(上流):Cat01○ | Cat02○ | Cat03○ | Cat04○ | Cat05○ | Cat06● | Cat07○ | Cat08○

Scope3(下流):Cat09○ | Cat10○ | Cat11○ | Cat12○ | Cat13○ | Cat14○ | Cat15○

<排出原単位について>

国立環境研究所：産業連関表によるグローバルサプライチェーンを考慮した環境負荷原単位
(2005年(平成17年))における『宿泊業』に関する排出係数を、宿泊料金の平均値で除して算
出しました。

なお、宿泊料金の平均値については、「平成19年全国物価統計調査」における『ホテルの平日
通常予約料金(全国)の平均』を採用しました。

表12. 宿泊数当たり排出原単位

種別	排出原単位 (kgCO2/泊)
宿泊	31.5

< > ... 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

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



Energy Bad Boys? Big Tech's Big Fumble? AI? IT? 10? 100%? 10? 100%? 10? 100%?

100%? 100%? 100%? 100%? 100%? 100%? 100%? 100%?

100%? 100%? 100%? 100%? 100%? 100%? 100%? 100%?

2016? Amazon? Apple? Google? Microsoft? 100? 100? 100? 100? 100? 100? 100? 100?

2016? 4? 1? 100%? 100%? 100%? 100%? 100%? 100%? 100%? 100%?

2018? 100? 100? 100? 100? 100? 100? 100? 100? 100? 100?

2026? 12? 100? 100? 100? 100? 100? 100? 100? 100?

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

AI? 2023? 4.4? 2028? 6.7? 12? 24? 365? 100? 100? 100? 100?

IEA? 40? 24? 20? 15? 2030? 4? 100? 100? 100? 100?

????????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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?JCLP????????????????????????????????

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?????100?? RE Action????????

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

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?? ?? · Monday, August 17th, 2026



2026?7??NEDO??JFE?????7??NEDO?JFE????????????????????YHC????????????????????
????????GREINS??

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https://www.nedo.go.jp/news/press/AA5_101957.html

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2008????COURSE50??CO????????????
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NEDO?GREINS??
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????????COURSE50?Super
COURSE50????????????????????????????????2024?12????CO????43????2026?3??45?????
NEDO??????

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

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

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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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The diagram illustrates the nuclear fuel cycle, comparing the current state (red arrows) with future goals (green arrows).

Current State (Red Arrows):

- 原子力発電所 (Nuclear Power Plant):** Produces electricity (電気の供給) for homes, industries, and offices (家庭・産業・オフィスなど).
- 使用済み燃料 (Used Fuel):** Collected from the power plant.
- 再処理工場 (Reprocessing Plant):** Recycles used fuel to recover uranium and plutonium.
- MOX燃料加工工場 (MOX Fuel Processing Plant):** Manufactures MOX fuel rods for use in power plants.

Future Goals (Green Arrows):

- 回収ウラン酸化物粉末 (Recovered Uranium Oxide Powder):** The starting point for the future cycle.
- ウラン転換工場 (Uranium Conversion Plant):** Converts uranium oxide powder into uranium hexafluoride (UF_6).
- ウラン濃縮工場 (Uranium Enrichment Plant):** Enriches uranium.
- ウラン燃料加工工場 (Uranium Fuel Processing Plant):** Manufactures fuel rods and fuel assemblies.

Legend:

- Red arrow: まもなく完結予定の原子燃料サイクル (Nuclear fuel cycle to be completed soon)
- Green arrow: 未来の目標 (Future goal)

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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??

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

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

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

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

?? ???????2025?12?16????????????????????2025?12?31????????

??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?
????????????????????????????????????17.74?10.82 tCO₂eq????????

????????CN 7202?
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????????????????N/A????????????????????
????0.617?0.686 tCO₂eq????????

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

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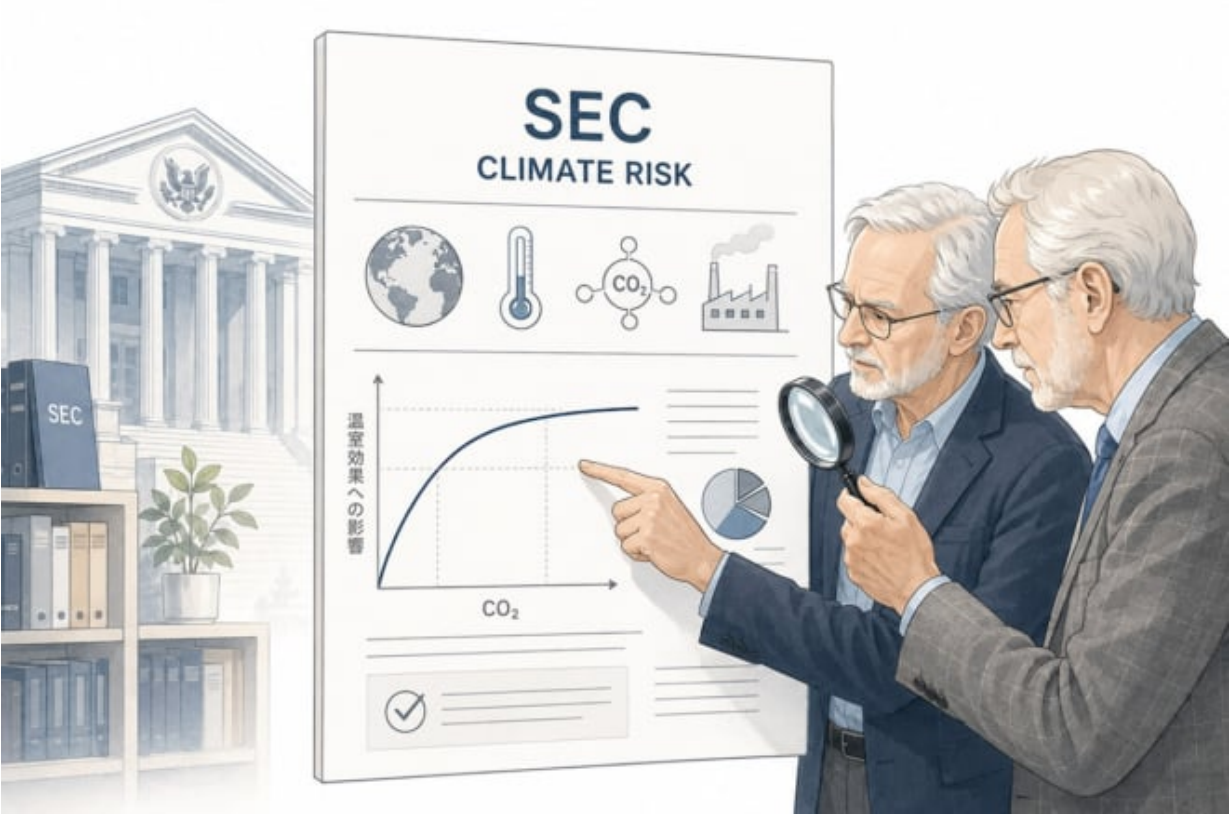
????????CO2????????????????EC????????????????????????????????

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

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

?? ?? · Tuesday, August 11th, 2026



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

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Coalition????????????????

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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)

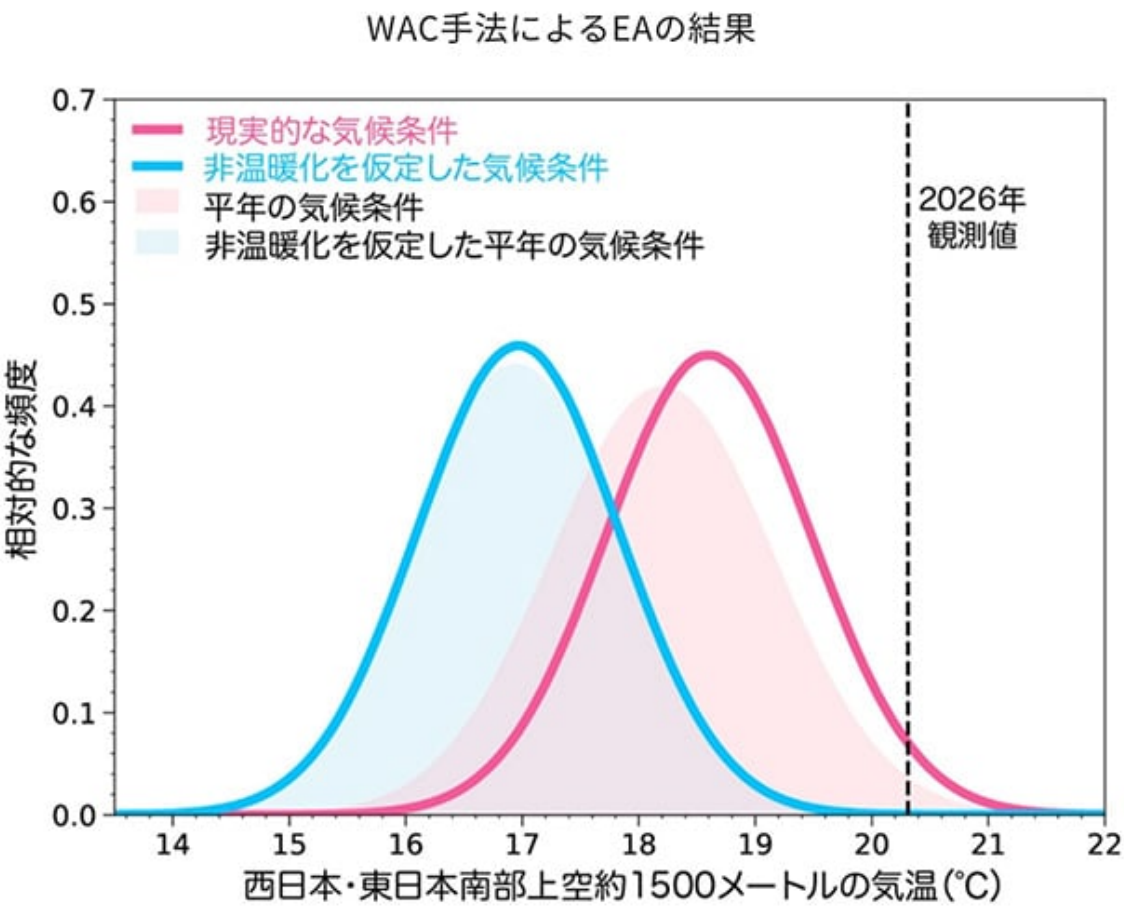
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?2???????30???2025?3?6??

3?????IPCC??2021?10?5??

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?8???????30?????????????2024?9?26??

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

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

?? ?? · Saturday, August 8th, 2026

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?? ?? · Wednesday, August 5th, 2026



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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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Posted in ???, ????? | No Comments »

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?? ? · Wednesday, July 29th, 2026



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EU-ETS?CBAM??????

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- ?????CBAM?????2034?????????
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ETS????????4.3%?2031?35???3.7
%?2036?40??1.7%?????

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

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

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

?? ?? · Wednesday, July 29th, 2026



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

Google?Amazon?Microsoft????????CO2????????Google?1,880???Amazon?8,085?????
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Microsoft?CO2????25????AI????????????

Microsoft??2026????????????????????????????????????25????????????????????
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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 SAF
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

Microsoft????1?2?3????2020???2025???

FY20?FY25???????????

- ????1?45%??11.8????17.1???
- ????2????????????178%??432.9????1,203???
- ????2????????????494%??45.6????270.7???
- ????3?46%??1,249????1,824???

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t??2025????????????????10????????????????????????????
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2025 Environmental Sustainability Report Accelerating progress to 2030

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AI????LCA????Makersite????AI????????????????LCA????????????LC
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AI????????????????????2????????????????????????CO2?????????
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??? ?? · Sunday, July 26th, 2026



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

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27.08.2026

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区分	項目	概要	繰込額 (億円/年)
制御不能費用	容量拠出金 (2024年度～)	容量市場にて国全体で確保した必要な供給力(kW価値)にかかる費用	122
	ブラックスタート電源確保費用	広範囲の停電が起こった際に、外部から電源供給なしに発電を開始出来る機能を有する電源を公募により確保するために必要となる費用	28
	振替損失調整額	自社供給区域外からの振替供給に係る受電時に損失する電力分の調整に係る費用	58
	インバランス収支過不足額	電気事業託送供給等収支計算規則に基づき作成されたインバランス等取引損益	102
	最終保障供給に係る損益	電気事業託送供給等収支計算規則に基づき作成された最終保障供給取引損益	9

2023-2027

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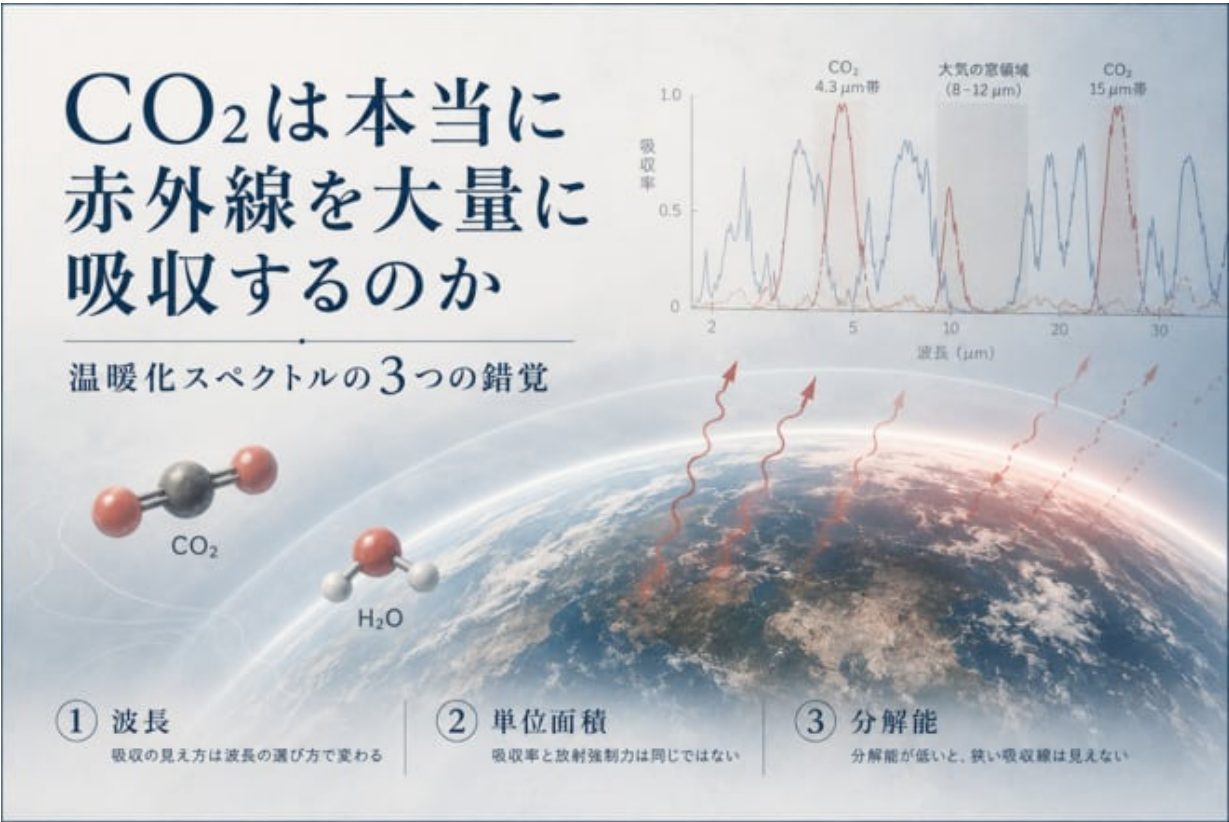
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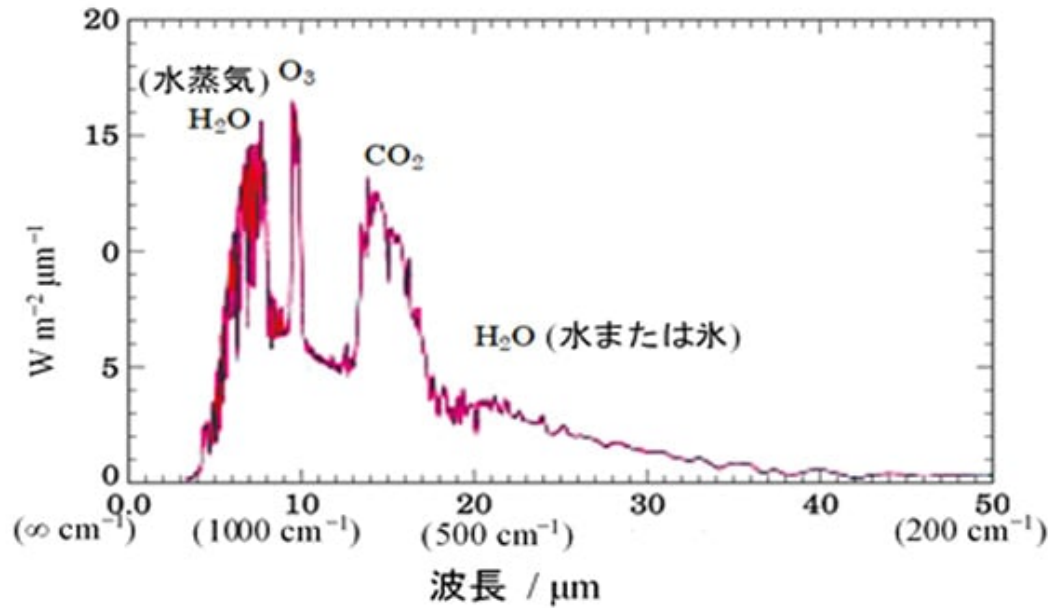
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CO2????????????????????????????????????3?????

?? ?? · Friday, July 24th, 2026



IPCC??1????????????????????
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1. ???????????

?1??1?m???14?m?15?m??
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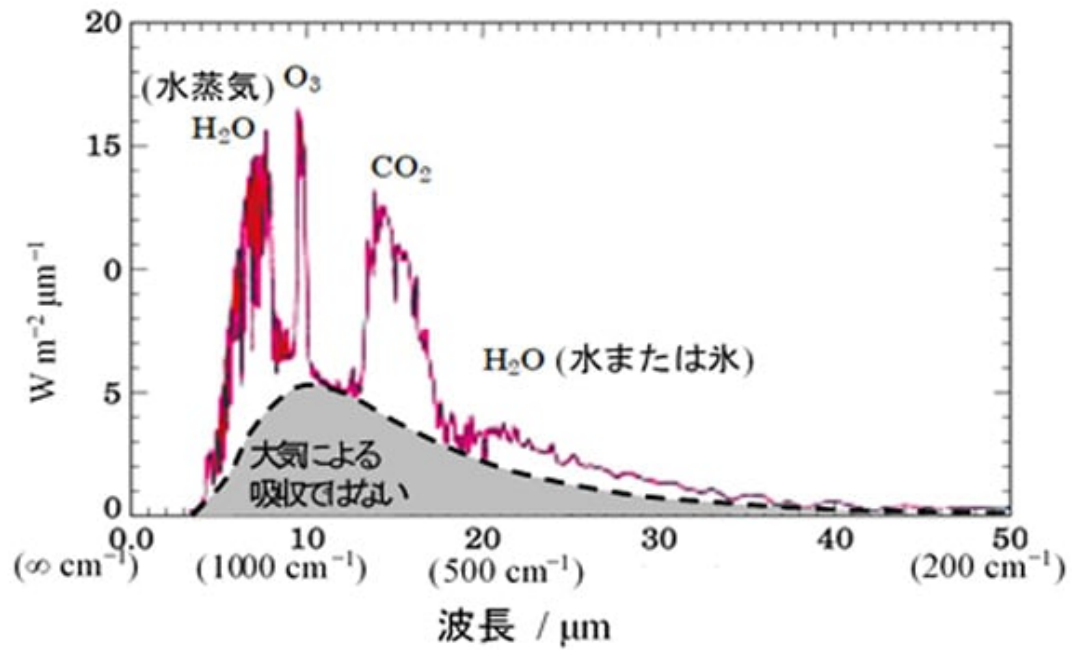
?1???CO₂????13?m?17?m????H₂O????5?m?8?m????????????????CO₂????????????180cm⁻¹?
 =770cm⁻¹?590cm⁻¹????H₂O????????750cm⁻¹?=2000cm⁻¹?1250cm⁻¹????????1/4????

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

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

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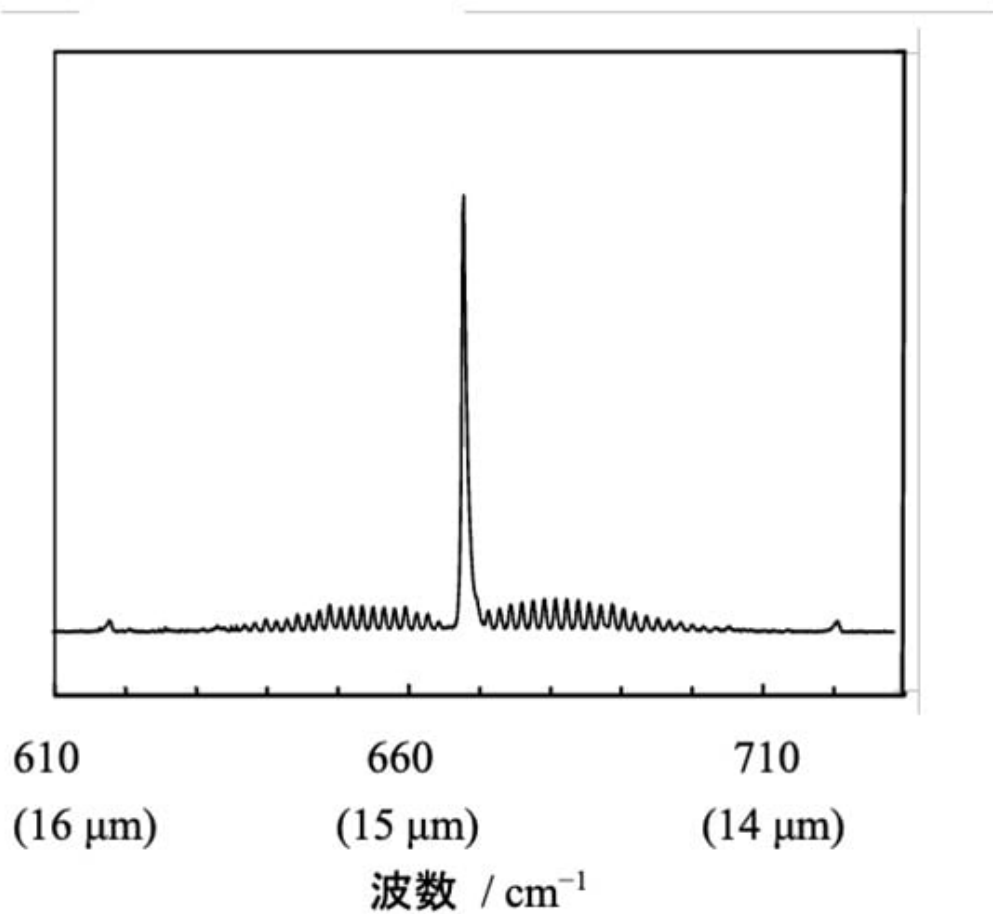
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cm⁻¹×0.1÷1.5????

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

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

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?? ?? · Thursday, July 23rd, 2026



1861??

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

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?? ?? · Wednesday, July 22nd, 2026



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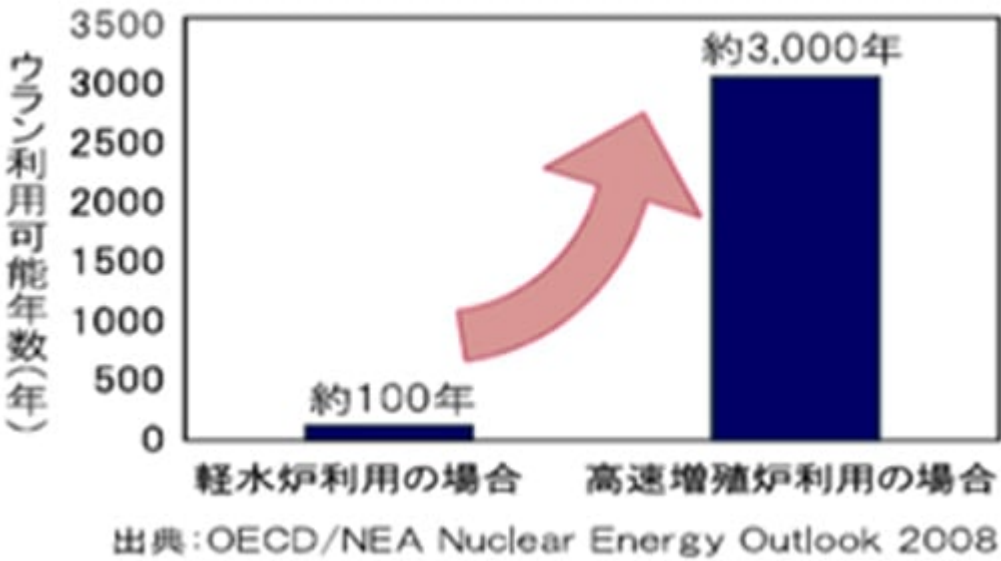
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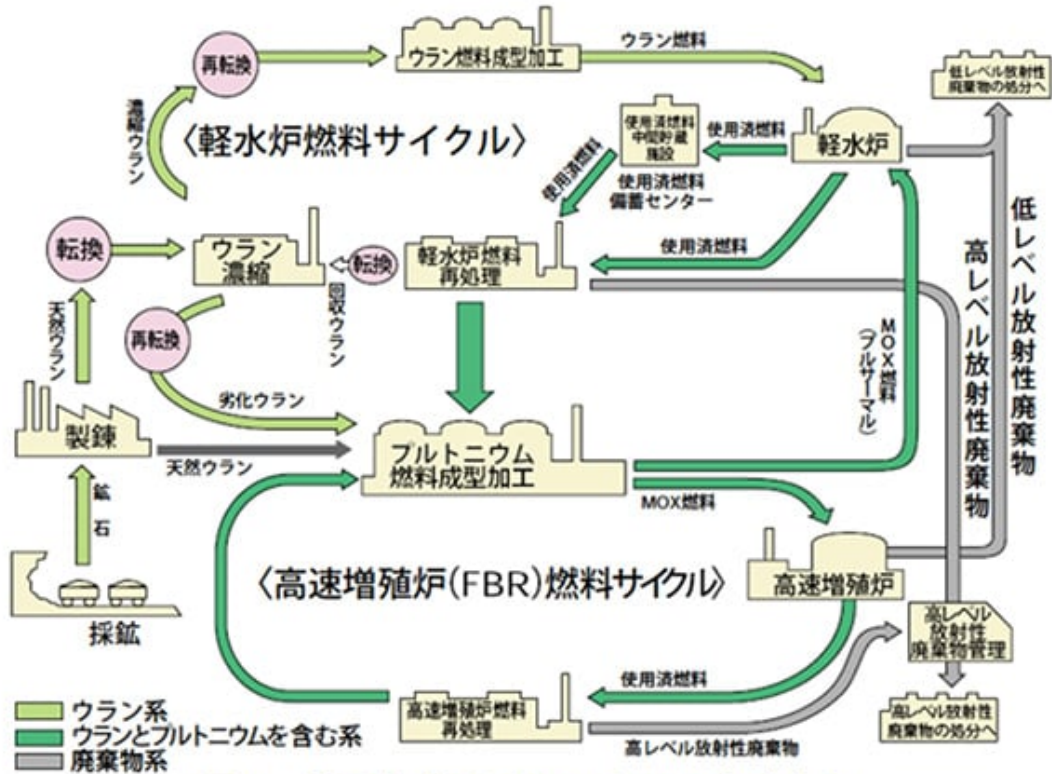


図1 原子燃料サイクル(FBRを含む)

[出典](財)日本原子力文化振興財団:「原子力・エネルギー」図面集 2007、7-5(2007年2月)、p.149、
電気事業連合会HP: <http://www.fepc-atomic.jp/library/zumen/pdf-data/all07.pdf>、5/29

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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、海水中の濃度は0.003ppmである。

高品位のウラン鉱床は、主に北米、中央アジア、アフリカなどに集中している。

- 高品位のウラン鉱床は、主に北米、中央アジア、アフリカなどに集中している。
- 地殻中の平均濃度は2.8ppm、海水中の濃度は0.003ppmである。
- 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。

3. ウラン資源の分布と需要

3.1. ウラン資源の分布

世界のウラン資源は、主に北米、中央アジア、アフリカなどに集中している。2016年の推定資源量は、約440万トンである。

2016年の推定資源量は、約440万トンである。

2016年の推定資源量は、約440万トンである。

2016年の推定資源量は、約440万トンである。

2016年の推定資源量は、約440万トンである。

2016年の推定資源量は、約440万トンである。

2016年の推定資源量は、約440万トンである。

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

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

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

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

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

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Atomics??

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Catalog??
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?? ?? · Monday, July 20th, 2026



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

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

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

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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????

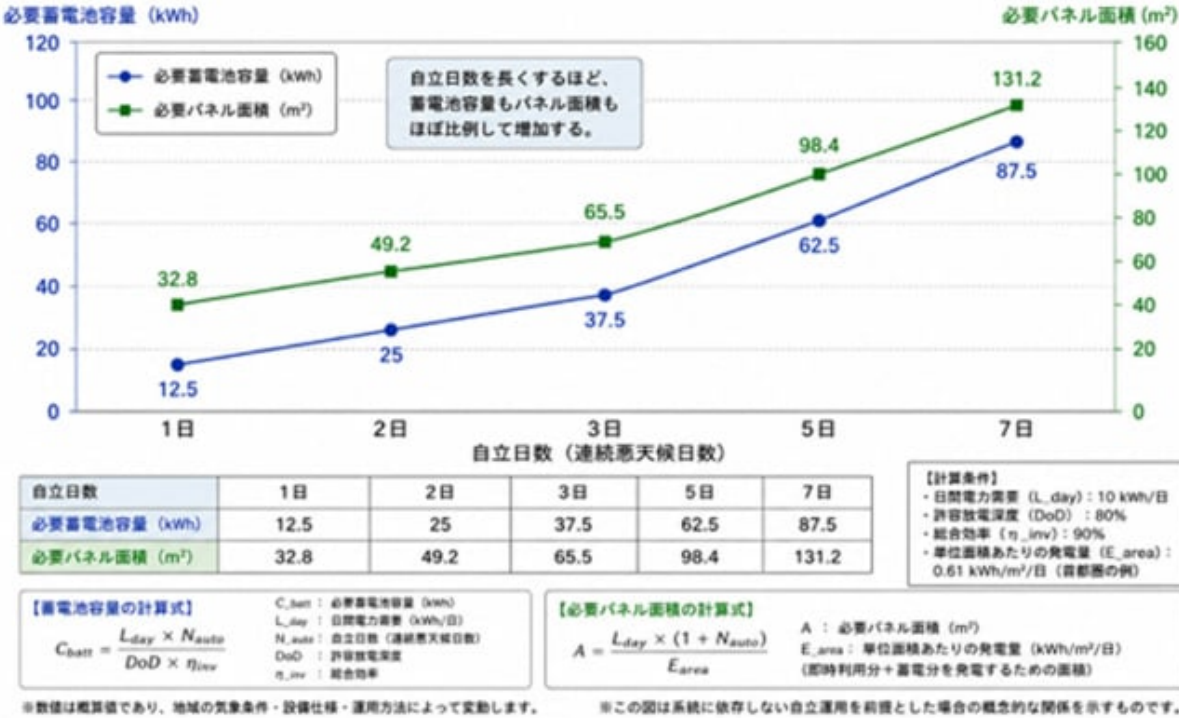
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??2?3????

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????????
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????????573kW/km²????????FIT????????
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Posted in ??????????, ??? | No Comments »

RE100???????????????

??? ?? · Sunday, July 19th, 2026



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RE100????????????????????????100??2018????????????
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??RE100????????44TWh????????36????????RE100????????

15.8TWh????

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???1.8????????

????RE100????????RE100????????18????12????

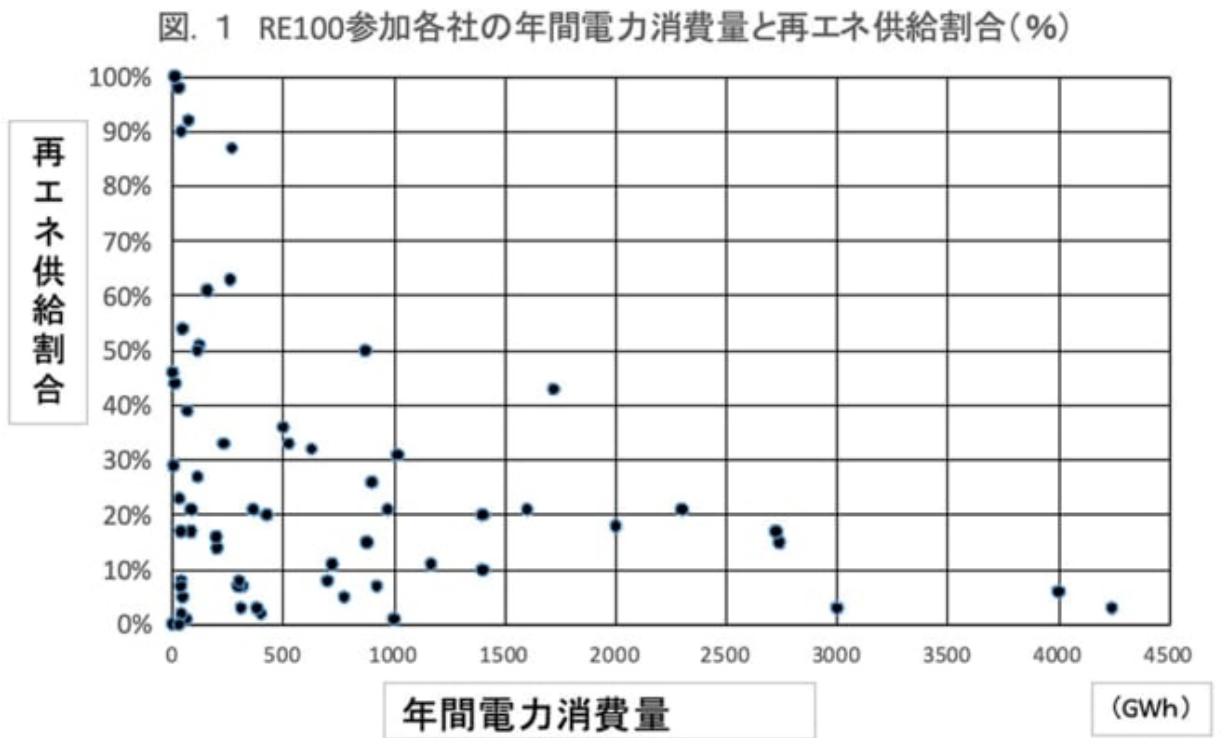
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1?RE100????????????????????

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RE100????????100??RE100????????J-

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RE100

71????????????????RE100??RE100????????????????
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環境省	
事業名	RE100との関連性
地域脱炭素推進交付金	地域の再エネ設備導入・PPA・蓄電池等を支援。RE100企業の再エネ調達環境の整備に寄与。(補助金ポータル)
建築物等のZEB化・省CO ₂ 化普及加速事業	RE100企業のオフィス・工場・商業施設の省エネ・再エネ導入を支援。(環境省)
脱炭素技術等による工場・事業場の省CO ₂ 化加速事業(SHIFT)	製造業の省エネ設備更新・CO ₂ 削減投資を支援。RE100参加製造業との親和性が高い。(環境省)
Scope3排出量削減のための企業間連携による省CO ₂ 設備投資促進事業	サプライチェーン全体での脱炭素化を支援。RE100企業のScope3対策を後押し。(環境省)
中小企業を含むバリューチェーン全体の脱炭素経営高度化事業	サプライヤーの脱炭素経営・情報開示を支援。RE100企業の調達先対応に関連。(環境省)
グリーンファイナンス普及・拡大促進事業	RE100企業のGX投資・再エネ投資を金融面から支援。(環境省)
ESGリース促進事業	省エネ設備・再エネ設備の導入をリースで支援。(環境省)
経済産業省	
事業名	RE100との関連
省エネルギー投資促進・需要構造転換支援事業費補助金	工場・事業場の大規模省エネ、電化・脱炭素燃料転換、EMS導入を支援。RE100参加企業の設備更新を直接支援。(エネルギー庁)
省エネルギー投資促進支援事業費補助金	高効率設備、空調、ボイラー、コンプレッサー、EMS等への更新支援。(省エネ・非化石転換補助金)
再生可能エネルギー導入拡大に向けた分散型エネルギーリソース導入支援事業	蓄電池・エネルギーマネジメントシステム(EMS)等の導入支援により、再エネの有効活用を促進。(エネルギー庁)
FIT・FIP制度の運用	RE100企業による再エネ調達市場の形成を支える制度。2025年度の買取価格等が設定。(経済産業省)
※chatGPTで検索	

?1???????RE100???????

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[illegible]

????100??RE100????????????????????????????
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[illegible][illegible]

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

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?? ?? · Saturday, July 18th, 2026



????????????????????HP????????592,000????117,268????????

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原子力損害賠償のご請求・お支払い等実績

2026年7月3日現在			
	個人	個人(自主的避難 等に係る損害)	法人・個人 事業主など ※2
ご請求について			
ご請求書受付件数(延べ件数)	約1,295,000件	約2,074,000件	約592,000件
本賠償の状況について			
本賠償の件数(延べ件数)	約1,140,000件	約2,004,000件	約504,000件
本賠償の金額 ※1	約3兆5,634億円	約4,488億円	約7兆5,582億円
これまでのお支払い金額について			
本賠償の金額 ※1	約11兆5,705億円 ①		
仮払補償金	約1,563億円 ②		
お支払い総額	約11兆7,268億円 ①+②		

※1 仮払補償金から本賠償に充当された金額は含んでおりません。
※2 除染等費用を含んでおります。

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?1966?1?16????5????1961?6?8????1962?3?15????????????

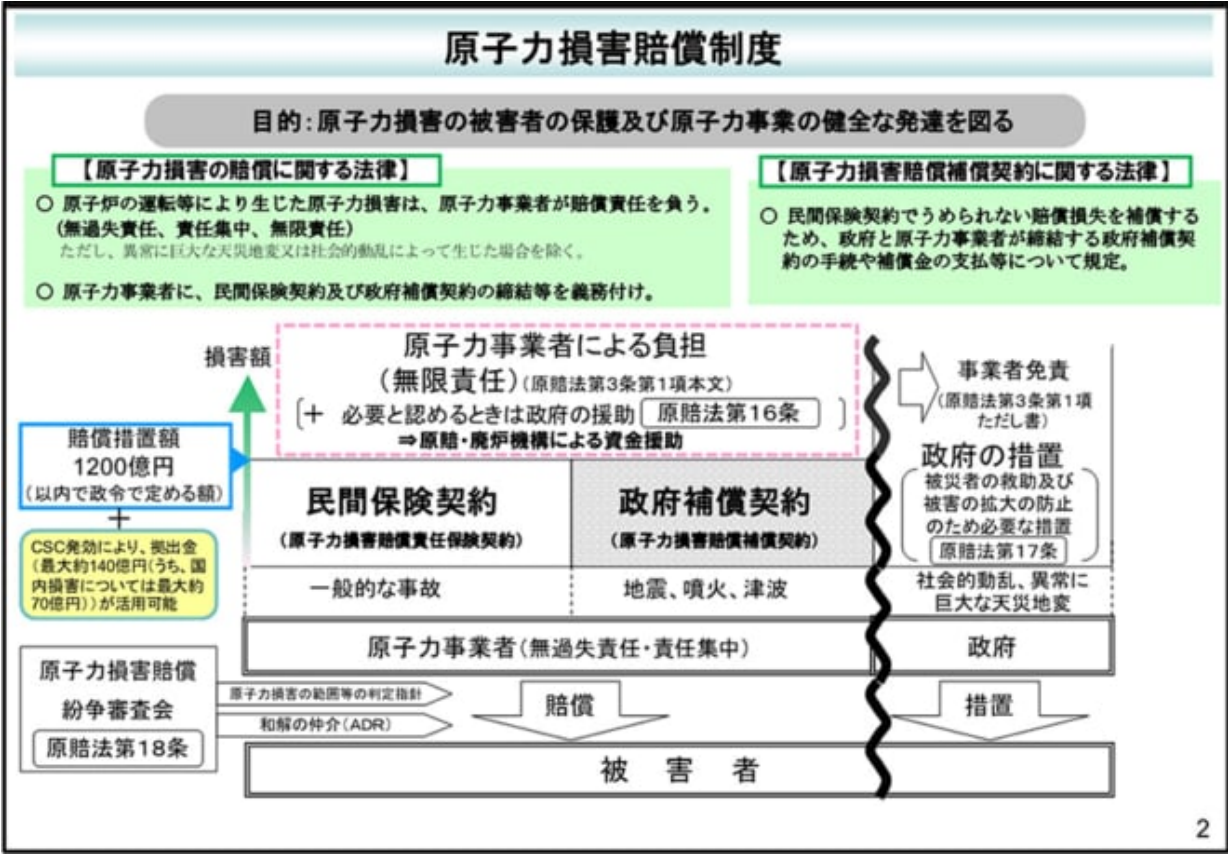
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- ???17???

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- ???18???

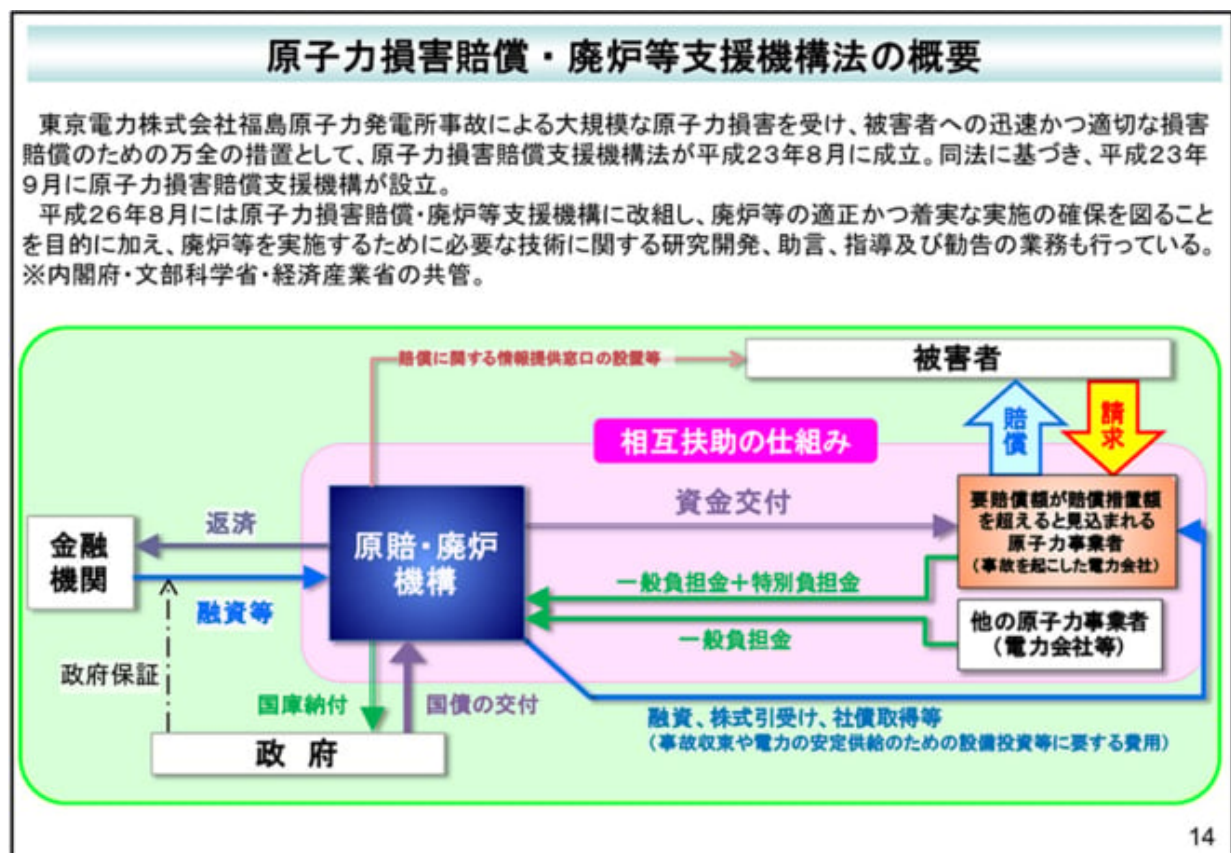
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- ?6????????????????????????????1????????100????????????????????24???

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2015?5?21????????????????p.14??

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???	2.3??	2.24??
??	23.8??	15.7??

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

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

?? ?? · Friday, July 17th, 2026



?HYBARI????????JR?????????
Wikipedia??

JR????2027????????????HYBARI????????

JR????????HYBARI??27????30???? – ?????

1????70km????CO2????????????????????

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HYBARI????????????????CO2????????

????????????????????JR????????????????????????????????????

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????????????9????????????SMR????????????????????CH?+2H?O?CO?+4H????????
??1kg????CO2????5.5kg????

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? ???800?900????????????
? ?????????
? CO????
? PSA????????

????????????????????CO2????1kg??9?12kg????????

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????HYBARI????????????????????1????20kg??224Nm³????????????180?240kg?CO
2????????????

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????????224Nm³????????56Nm³?40kg????????????????????
????????1.5?2????90?120Nm³????????

1????70km????????????????????

Well-to-Wheel????????

??Well-to-
Wheel????????????????????

IEA?JH2A??
????????????????????

JR??HYBARI????????
????????????

????CO2??

???

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

????????CO2????????????????????????????????????——????????

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

????????JBS????????

?? ?? · Thursday, July 16th, 2026



inga/iStock

????????????????????JBS????2040????????????????CO2????
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????????JBS?2030????1????2?CO2????30%????????2050????CO2?
????70%????2030????2050????2019????3?????

ESG Today????JBS????????3????

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???3???? – NPO? ?

???3????

?????JBS??
?????Edie2021?3?24??

JBS??2040??JBS?2019?????2030?
????????1???2????????????????30%??
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??1.5°C????????????????????????
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???TCFD??

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2030????????1?2????30%????????10???2040????????????????????3????????CO2????????
????100%????????????????

????????????????????CO2????????????????30%????????????CO2????????????2030????
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????????????????JBS?SBTi????????????RE100????????????????????????????????
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?????JBS????????1?2????2030??30%???2050??70%????????????????????????????
????????????????????JBS????????????????????????????????????

????????????SBTi???? | ??? ?????????

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

????AfD????????????????????????????????

?? ??? ?? · Tuesday, July 14th, 2026



Konoplytska/iStock

1???????????? AfD????????????????????????????????

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??600????????????????????????????????1000????????????????

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????????????????AfD????????????????????????????????AfD????????????????????A
fD????????????????????????????

????74???100???1926??SNS??
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???100??A
fD????????????

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

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?? ?? · Monday, July 13th, 2026



Yuliya Taba/iStock

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??1995????????????????????????????????587????????????1????1????????

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????????????221????

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分野・対策の種類	件数	寿命 1 年延長当たり費用の中央値	医療を 1 とした倍率
医療	310	1 万 9,000 ドル	1
事故・傷害防止	133	4 万 8,000 ドル	2.5 倍
有害物質管理全般	144	280 万ドル	147 倍
環境部門の有害物質管理	124	420 万ドル	221 倍

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???Tengs et al.?1995?, Table I¹²?

????????1????????????19,000????????48,000????

280420150221

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規制機関	主な対象	件数	寿命 1 年延長当たり費用の中央値	FAA を 1 とした倍率
FAA	航空安全	4	2 万 3,000 ドル	1
CPSC	消費者製品安全	11	6 万 8,000 ドル	3.0 倍
NHTSA	自動車・道路交通	31	7 万 8,000 ドル	3.4 倍
OSHA	職場の安全衛生	16	8 万 8,000 ドル	3.8 倍
EPA	環境・化学物質	89	760 万ドル	330 倍

B1

FAACPSCNHTSAOSHAEP

Tengs et al.1995²¹

EPA17603301129786

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100

対策	寿命 1 年延長当たり費用	シートベルト着用義務を 1 とした倍率
喫煙する妊婦への禁煙助言	0 ドル以下（費用節約）	—
シートベルト着用義務	69 ドル	1
飲料水の塩素消毒	3,100 ドル	約 45 倍
住宅用煙感知器の設置（一つの推計）	21 万ドル	約 3,000 倍
原子力発電所の放射線排出基準（一つの推計）	1 億ドル	約 145 万倍

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Tengs et al.1995, Appendix A²¹

1691145

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??HERP????????????HERP????????1????????????
????????????????TD50????????????????^{22)?}

HERP???? ????1???? ÷ ?????TD50 × 100

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1992???Science??

区分	原表における平均的な日常曝露	評価対象物質と推定摂取量	HERP
天然化学物質	コーヒー13.3g（約3杯）	カフェ酸 23.9mg	0.1%
	レタス 14.9g（約67分の1個）	カフェ酸 7.90mg	0.04%
	香辛料中のサフロール	サフロール 1.2mg	0.03%
	オレンジジュース 138mL	d-リモネン 4.28mg	0.03%
	黒コショウ 446mg	d-リモネン 3.57mg	0.03%
	マッシュルーム 2.55g	ヒドラジン類の混合物	0.02%
	リンゴ 32.0g（約17分の1個）	カフェ酸 3.40mg	0.02%
合成農薬残留物	DDTの平均的食事曝露（1972年禁止前）	DDT 13.8μg	0.002%
	EDBの平均的食事曝露（1984年禁止前）	EDB 420ng	0.0004%
	カーバリルの平均的食事曝露（1990年）	カーバリル 2.6μg	0.0003%
	DDE／DDTの平均的食事曝露（1990年）	DDE 659ng	0.00008%
	ジコホルの平均的食事曝露（1990年）	ジコホル 544ng	0.00002%
	クロロベンジレートの平均的食事曝露（1989年）	クロロベンジレート 6.4ng	0.0000001%
	キャプタンの平均的食事曝露（1990年）	キャプタン 11.5ng	0.000000006%

?D????????????????HERP??

?????Table 3????????????????????????????????

???Gold et al.?1992?, Table 3^{22)?}

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?1?Tengs, T. O., Adams, M. E., Pliskin, J. S., Safran, D. G., Siegel, J. E., Weinstein, M. C., and Graham, J. D. (1995),
“Five-Hundred Life-Saving Interventions and Their Cost-Effectiveness,” Risk Analysis, 15(3), pp. 369–390.
?DOI???PDF?

?2?Gold, L. S., Slone, T. H., Stern, B. R., Manley, N. B., and Ames, B. N. (1992), “Rodent Carcinogens: Setting
Priorities,” Science, 258(5080), pp. 261–265. ?DOI???PDF?

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Posted in ???, ????? | No Comments »

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?? ?? · Sunday, July 12th, 2026



asbe/iStock

6?29????????45%??
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??GX?Sustainable
Japan??

??????2020????5????????35%????????????????????????????2023??35%?45%????????

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45%????????????????????????????????????

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100+????????2??
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???45%?????????ESG??45%????????????????????
?????ESG??

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???????19???????2025?10??
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????2025?10????????????45%??
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Posted in ???, ???, ??? | [No Comments »](#)