

Global Energy Policy Research | GEPR

[illegible]

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?? ?? · Monday, January 12th, 2026



Anass Bachar/iStock

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

????2050?CO2????????????2013????????2030??46%?35??60%?40??73%????CO2????????????

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??65%????????????????????1kWh???10????????????1?????

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順位	都道府県	市(町村)	運転中 出力 (万kW)	発電所名	市税収入 (億円)	仮想的な 収入 (億円)	仮想的な 収入÷市 税
1	北海道	厚真町	165.0	苫東厚真発電所	16.3	187.9	1155.3%
2	長崎県	松浦市	370.0	九州電力 松浦発電所、松浦発電所 電源開発	45.3	421.4	929.7%
3	沖縄県	国頭村	44.0	金武発電所	6.5	50.1	771.0%
4	福島県	広野町	174.3	広野発電所	37.6	198.5	527.4%
5	福島県	相馬市	211.2	新地発電所、相馬石炭・バイオマス発電所	53.4	240.5	450.3%
6	広島県	竹原市	130.0	竹原発電所	51.4	148.0	287.9%
7	秋田県	能代市	180.0	能代発電所	77.5	205.0	264.4%
8	愛知県	碧南市	410.0	碧南発電所	176.9	466.9	264.0%
9	茨城県	東海村	265.0	常陸那珂共同火力発電所、常陸那珂発電所	116.1	301.8	260.0%
10	福島県	阿南町	280.0	橘湾発電所、橘湾発電所 電源開発	134.7	318.9	236.7%
11	鳥取県	浜田市	200.0	三隅発電所	97.9	227.8	232.7%
12	福島県	南相馬市	200.0	原町発電所	99.2	227.8	229.6%
13	熊本県	天草市	140.0	帯北発電所	77.8	159.4	205.0%
14	京都府	舞鶴市	180.0	舞鶴発電所	115.9	205.0	176.9%
15	石川県	七尾市	120.0	七尾大田発電所	79.9	136.7	171.1%
16	広島県	大崎上島町	16.6	大崎クールジェン	12.3	18.9	154.0%
17	北海道	砂川市	25.0	砂川発電所	21.0	28.5	135.8%
18	茨城県	鹿嶋市	116.7	日本製鉄 鹿島製鐵所、鹿島パワー	116.9	132.9	113.7%
19	山口県	山陽小野田市	100.0	新小野田発電所	103.2	113.9	110.4%
20	福井県	敦賀市	120.0	敦賀発電所	132.8	136.7	102.9%
21	愛知県	知多市	136.0	中山名古屋発電所、名南共同エネルギー、武豊発電所	153.4	154.9	101.0%
22	愛媛県	西条市	100.0	住友共同電力 壬生川発電所、西条発電所	163.3	113.9	69.7%
23	山口県	周南市	144.7	徳山製造所 中央発電所、徳山製造所 東発電所、東ソー 南陽事業所第2発電所	277.4	164.8	59.4%
24	山形県	酒田市	70.0	酒田共同火力	135.3	79.7	58.9%
25	沖縄県	うるま市	62.4	具志川発電所、石川発電所	136.0	71.1	52.2%
26	高知県	須崎市	12.2	住友大坂セメント 高知工場	27.0	13.9	51.4%
27	福島県	いわき市	202.0	クレハいわき事業所、勿来発電所	518.5	230.0	44.4%
28	富山県	射水市	50.0	富山新港発電所	153.8	56.9	37.0%
29	岩手県	釜石市	14.9	日本製鉄 釜石製鐵所	46.5	17.0	36.5%
30	広島県	大竹市	16.2	ダイセル 大竹工場、三菱ケミカル 広島事業所	52.4	18.4	35.1%
31	兵庫県	高砂市	50.0	高砂発電所	166.2	56.9	34.2%
32	愛媛県	四国中央市	43.0	三島工場バイオマス発電所、丸住製紙株式会社	164.6	49.0	29.7%
33	広島県	海田町	11.2	海田発電所	49.3	12.8	25.8%
34	神奈川県	横浜質市	130.0	横浜質発電所	592.7	148.0	25.0%
35	新潟県	糸魚川市	14.9	糸魚川発電所	76.3	17.0	22.2%
36	山口県	美祿町	5.7	宇部興産 伊佐セメント工場	36.5	6.5	17.8%
37	宮城県	岩沼市	11.1	岩沼工場	73.6	12.6	17.1%
38	山口県	宇部市	36.1	ユービーイーパワーセンター発電所、宇部興産発電所	244.5	41.1	16.8%
39	愛媛県	新居浜市	30.0	住友共同電力 新居浜西発電所	205.8	34.2	16.6%
40	山口県	光市	10.6	日鉄ステンレス 山口製造所 光エリア	83.0	12.1	14.5%
41	兵庫県	赤穂市	10.3	住友大坂セメント 赤穂工場	82.6	11.7	14.1%
42	北海道	釧路市	25.7	日本製鉄 釧路工場、釧路火力発電所	212.1	29.3	13.8%
43	福岡県	大牟田市	17.5	三池火力発電所	146.1	19.9	13.6%
44	福岡県	苅田町	11.5	三菱マテリアル 九州工場	97.9	13.1	13.4%
45	北海道	室蘭市	14.5	日本製鉄 室蘭製鐵所	135.0	16.5	12.2%
46	北海道	北斗市	4.8	太平洋セメント 上磯工場	54.2	5.4	10.0%
47	福井県	あわら市	3.8	レンゴー 金津工場	44.6	4.3	9.6%
48	兵庫県	神戸市	270.0	神戸発電所	3211.2	307.5	9.6%
49	山口県	防府市	14.8	防府バイオマス・石炭混焼発電所、防府第二パワーステーション	176.2	16.9	9.6%
50	宮城県	塩岡市	11.0	旭化成エヌエスエネルギー 塩岡発電所	159.4	12.5	7.9%
51	埼玉県	日高市	5.0	太平洋セメント 埼玉工場	84.0	5.6	6.7%
52	茨城県	神栖町	11.2	かみずパワー	218.2	12.8	5.8%
53	宮城県	石巻市	9.8	日本製紙株式会社	195.0	11.2	5.7%
54	愛知県	東海市	14.9	東海共同発電	305.8	17.0	5.5%
55	熊本県	八代市	7.5	日本製鉄 八代工場	161.6	8.5	5.3%
56	大分県	大分市	33.0	日本製鉄 九州製鐵所	820.9	37.6	4.6%
57	兵庫県	姫路市	29.8	日本製鉄 広畑製鐵所	1001.8	33.9	3.4%
58	福岡県	北九州市	52.7	ひびき製・バイオマス発電所、戸畑発電所	1810.8	60.0	3.2%
59	山口県	岩国市	3.5	日本製鉄 岩国工場	186.1	4.0	2.1%
60	神奈川県	横浜市	120.0	磯子発電所	8863.0	136.7	1.5%
61	岡山県	倉敷市	11.2	水島M2発電所	868.6	12.8	1.5%
62	宮城県	仙台市	11.2	仙台パワーステーション	2293.0	12.8	0.6%
63	三重県	四日市市	3.4	MC横浜エネルギーサービス	738.7	3.9	0.5%
64	広島県	広島市	4.3	MCM本社エネルギーセンター	2467.2	4.9	0.2%

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

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

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

?? ?? · Monday, January 12th, 2026



Zbynek Pospisil/iStock

EU????????????????CBAM??CBAM????????????
 ???10%??

??CBAM????????????????????????????????11??COP30????????????????????????????

??CBAM?COP30????????????CBAM??????????

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

Italy and France seek exemption on fertilisers from EU's carbon border tax

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2026?1?7?

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??2026????????????????????????
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?EU????50????????????????????60????????????????????
????????????Fertilisers Europe???????

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??EU?2028????????????????????????????????????

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

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?? ?? · Sunday, January 11th, 2026



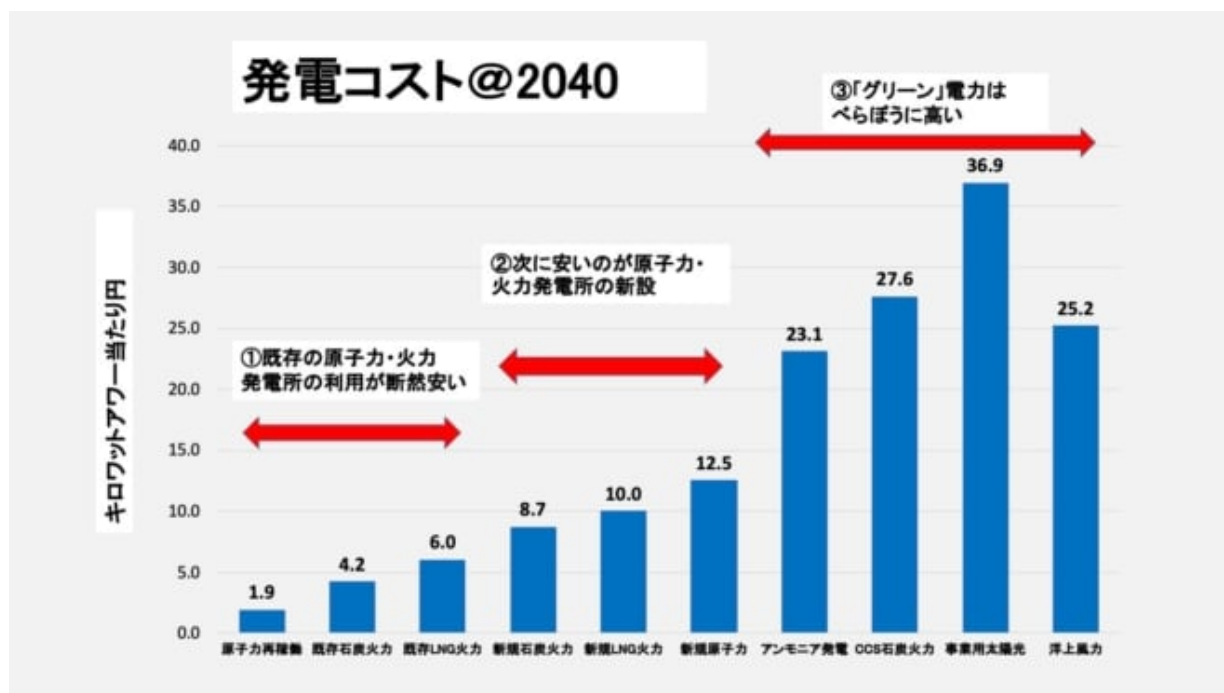
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????2013????????2050??CO2????????????2040??????73%?CO2????????????????????????????????

????????????????CO2????????????????^{1?}?

????2040??—??15??—????????????????????

[illegible]

?1?2040????????????????

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 ???LNG????????????LNG????????????
 ?????1.9??4.2??6.0????

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

8.7??10.0???

??73%?CO2?????????
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??CO2????????????????????????????????CCS????????????

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CCS????????CO2????????????????????????????????????CO2????????????????????CO2????
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??CO2????????????????????????????????
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20????????????????????????????????

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1????????????????????????????73????????????????CO2????????????

2????????2023???3.1???2024?1?5???6,416???2024?8?10???2,124??????5????????

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

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?? ?? · Sunday, January 11th, 2026



MR1805/iStock

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?????7????????????????????“?????”????????????????????2025??
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Offshore wind turbines steal each other’s wind: yields greatly overestimated – Clintel

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

??2025????????????????????????????
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????????????????????51?56%????????????37?38%????????49%????????????????????
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2. ?????????????????????

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

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????????????????51?56%????????37%????????????????????????30?40
%????????

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

?? ?? · Saturday, January 10th, 2026



Moment Makers Group/iStock

????????????????????????????????????26????27????????????????????????²¹?

??CO2??

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????????????2050?CO2????????????CO2????????????????2013????????2030??46%??2035??60%??
?2040??73%???????????

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?1????????2026????????2027????

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?2????2025?1?23?



??kW???2030????????1500?kW????????????1
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?3???National Center for Energy Analysis (NCEA)???????????

?4???????Carbonbrief????????2023????????4740?kW?????

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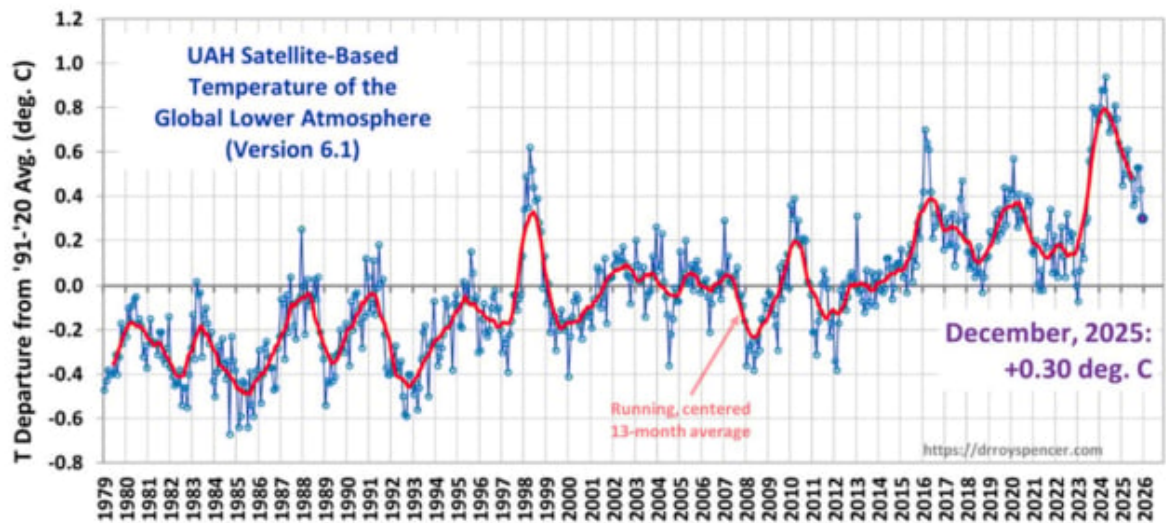
?? ?? · Friday, January 9th, 2026



mesh cube/iStock

2023???24??

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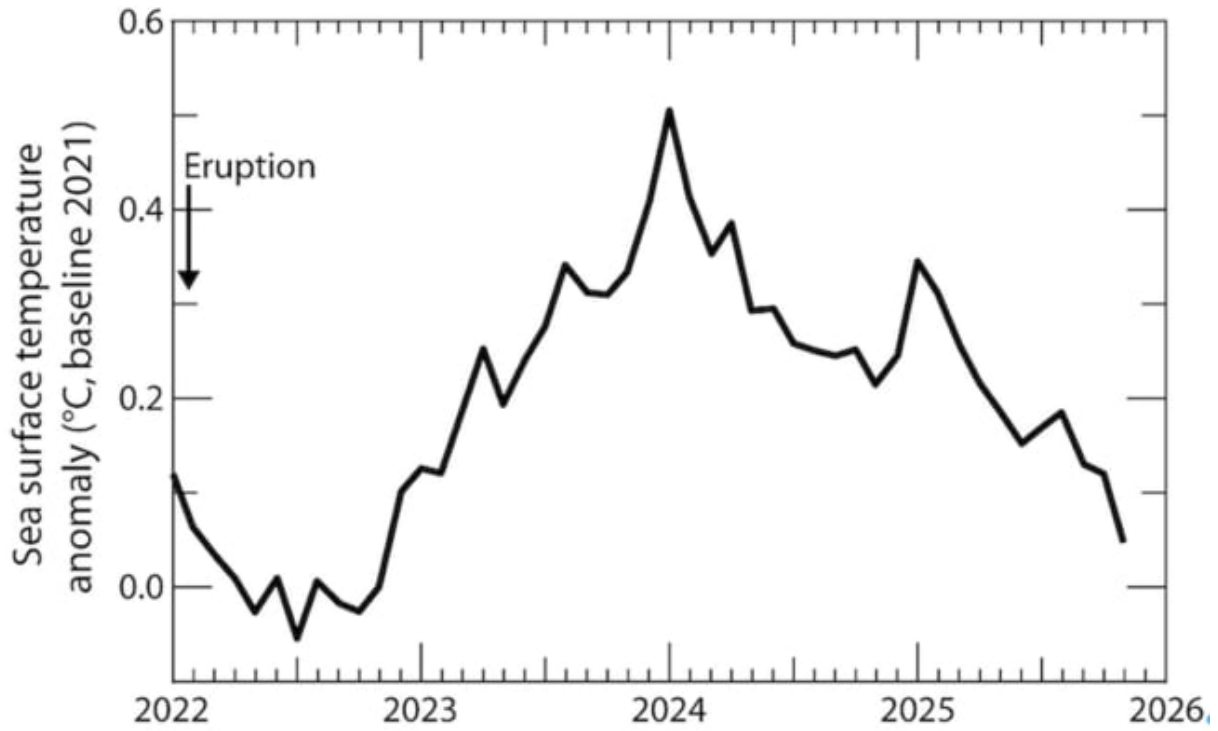
?1????????????????????????LT?

1991-2020????????????2025?12????+0.30????????????13??????

2024??

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????????NOAA????60???60????????2021??????

????2022?12????2025?11????????

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2023???24????????2022?1??
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EU????????????????????

?? ?? · Friday, January 9th, 2026



designer491/iStock

2025????????????????????EU????????????????????

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Europe May Roll Back Combustion Engine Ban

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1. ?2035????????????????

??EU?2035????????????????????????????CO2????100%????????????????NYT????????
??Automotive Package????????????????????????????

- ????????? (PHV)
- ?????????????????
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- ?????????????1,400????????????????????????????EV????????????
- ???EU????????
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????2020??2050????????????2035????EV????????????????????????
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2025??

- ?????????????550????????EV????????????????????????????????
- ?????????????????????????EV?100%??
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?2035????????

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???HEV????????????PHEV????????????????????????????

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- HEV????????CO2????????2035????????
- ?????e-fuel????????????????????????????????
- ?????????????????????????????

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?? ?? · Thursday, January 8th, 2026



Halyna Romaniv/iStock

????2026????????GX-ETS????????

2026????????????????????

????CO₂????GX-
ETS??4????CO₂????????????????????
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????2026???GX-ETS????????GX-
ETS????CBAM????CBAM????EU????4%?
??1%????0%????0%????1%??0%????EU????7%??9%??GX-
ETS????400????EU????10%????

??CBAM?COP30????CBAM????

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

????????????????CO2??GX-ETS????????????????????

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Hamburg rechnet Klimabilanz mit Öfen in Afrika schön, die es nie gegeben hat

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2025?12?24?

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??2024????
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Verra Rejects Four Forest Carbon Projects In China, Expands Review Of Others

Verra????????????????4????

2025?12?15?

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??Verra?4????????

??4????????????????44

2????????????VCU????????

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Verra????????????35????????????????????????

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Verra????????4????????442????????35????????VCU?1,420????????

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2023?5???Verra?CEO?15????David

Antonioli????????Verra????????CO2????????

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CEO????????Verra????????

???Verra????5????

????????Verra????90????????

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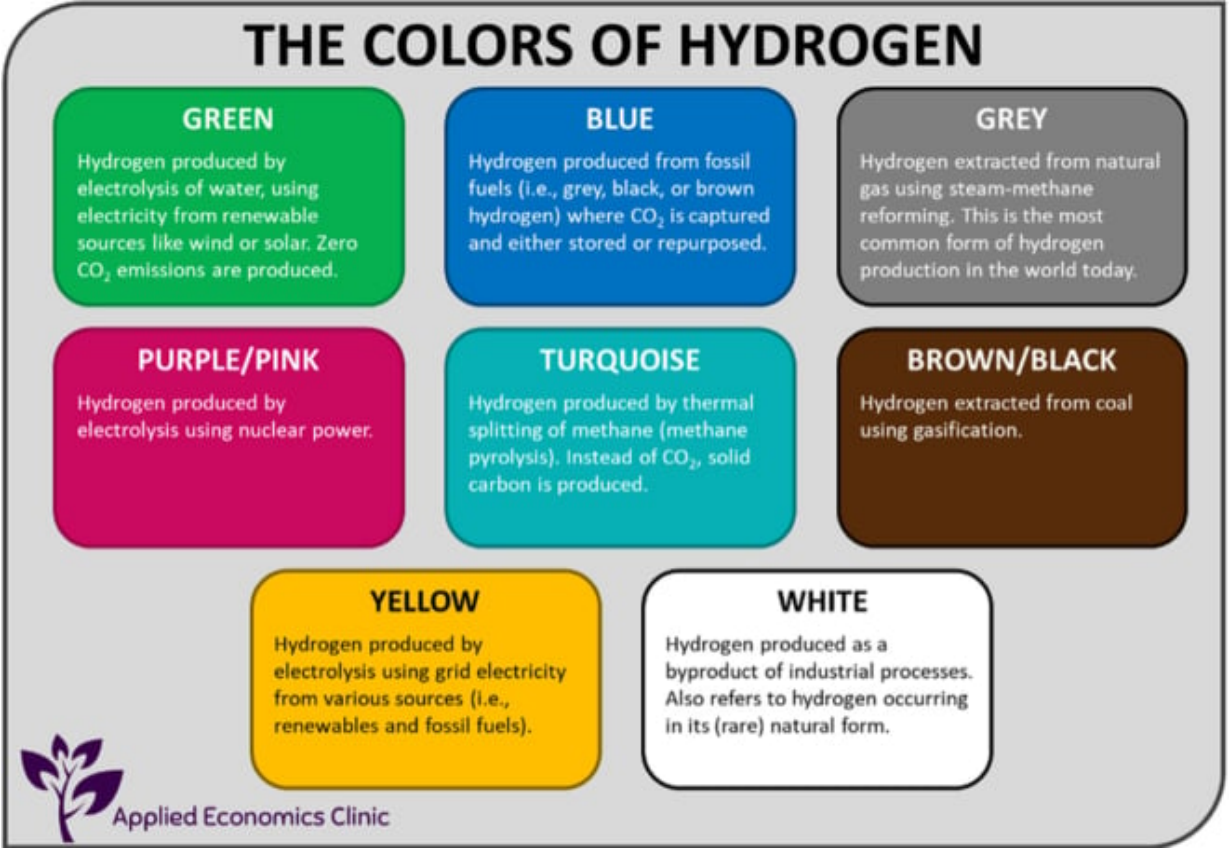
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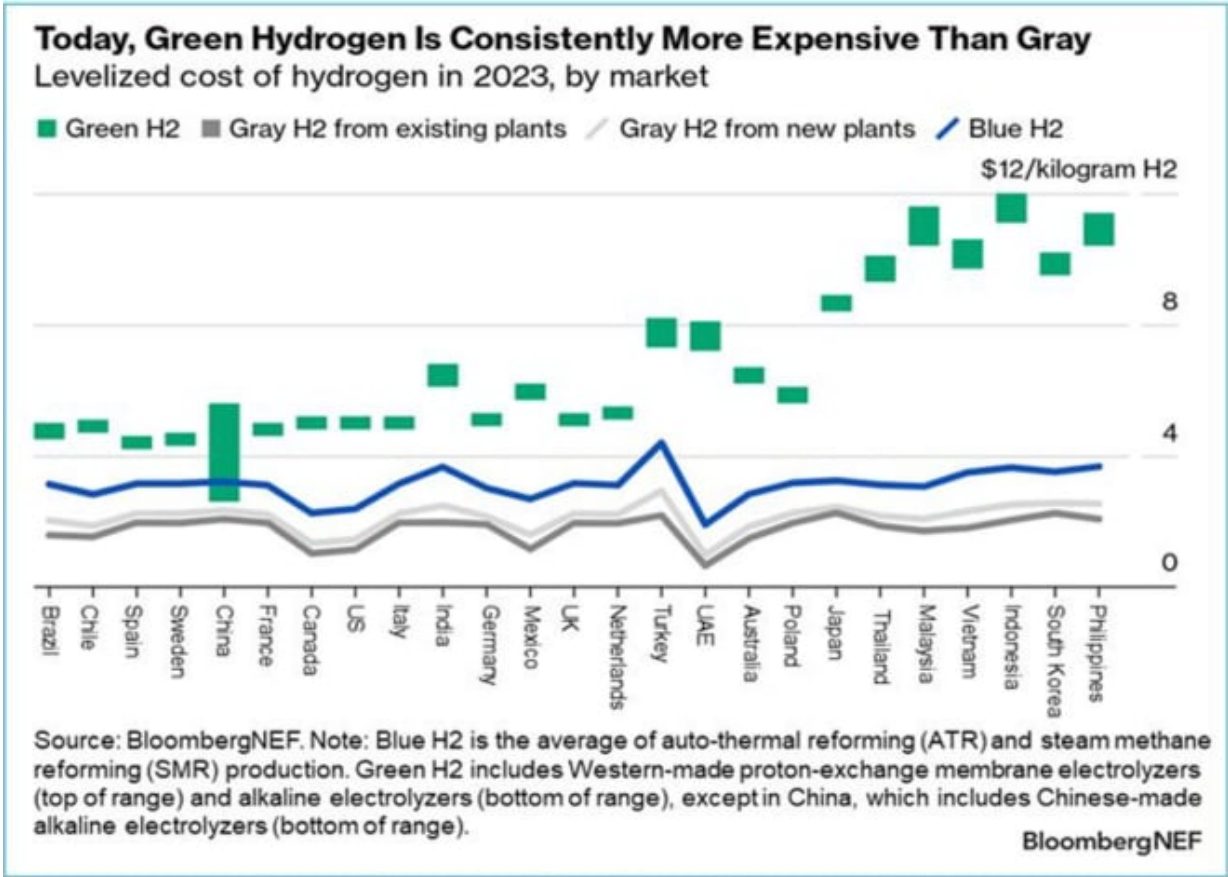
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??CAPEX????????OPEX????????????????????

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2023??

??2030????30?/Nm³?336?/kg-

H₂????????????2050????20?/Nm³?224?/kg-H₂????????????1???150??????\$2.24?\$1.49/kilogram

H2????

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?? ?? · Tuesday, January 6th, 2026



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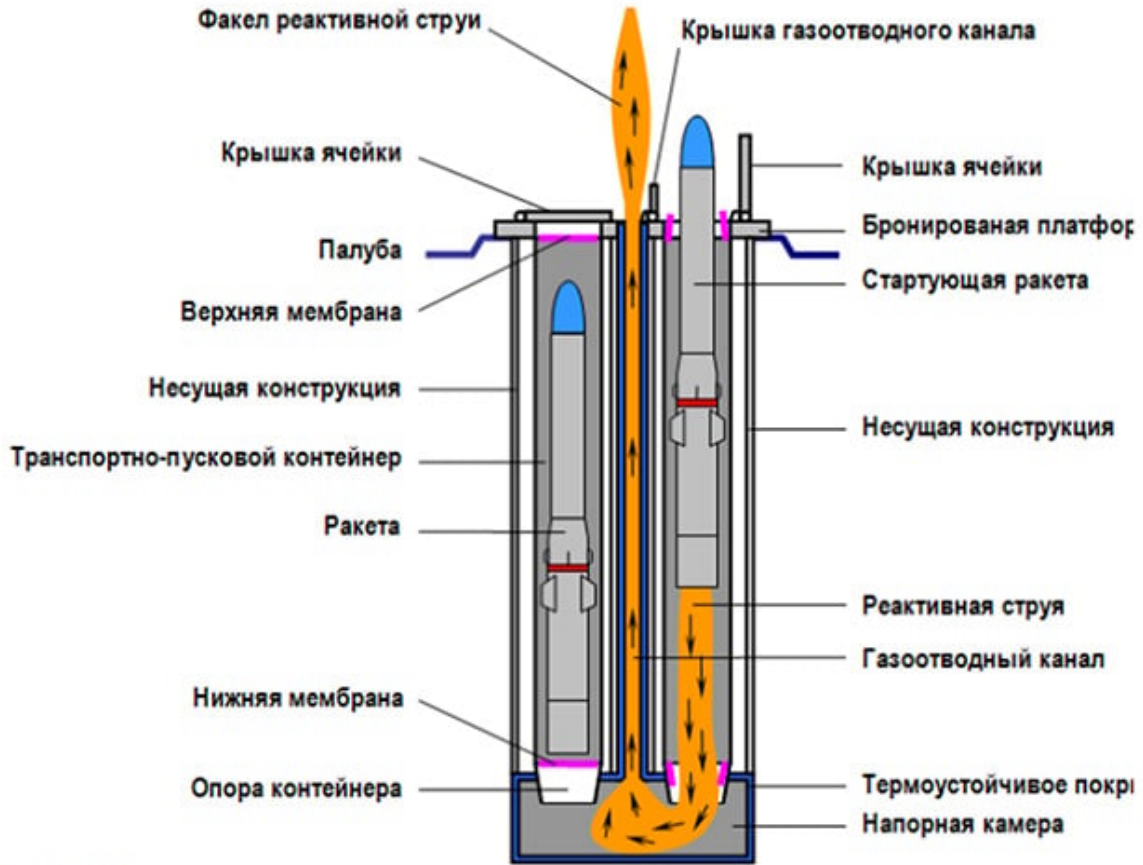
VLS????????????????????????????360°????????????????

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????VLS???????Mk41?

©Wikipedia



AdmiralHood, vladfotki.narod.ru

Mk41????????????

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??30????????????????????????QOL????????????
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1960????????????USS????????????????????????????????????84??19??????

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©Wikipedia

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[illegible][illegible]

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1974PT

11.01.2026

2025?7????????????????CSIS????????????????3?????1??2????????????
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Lights Out? Wargaming a Chinese Blockade of Taiwan

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CSIS??LNG?
????10???12????????40???45????????146????????????????????
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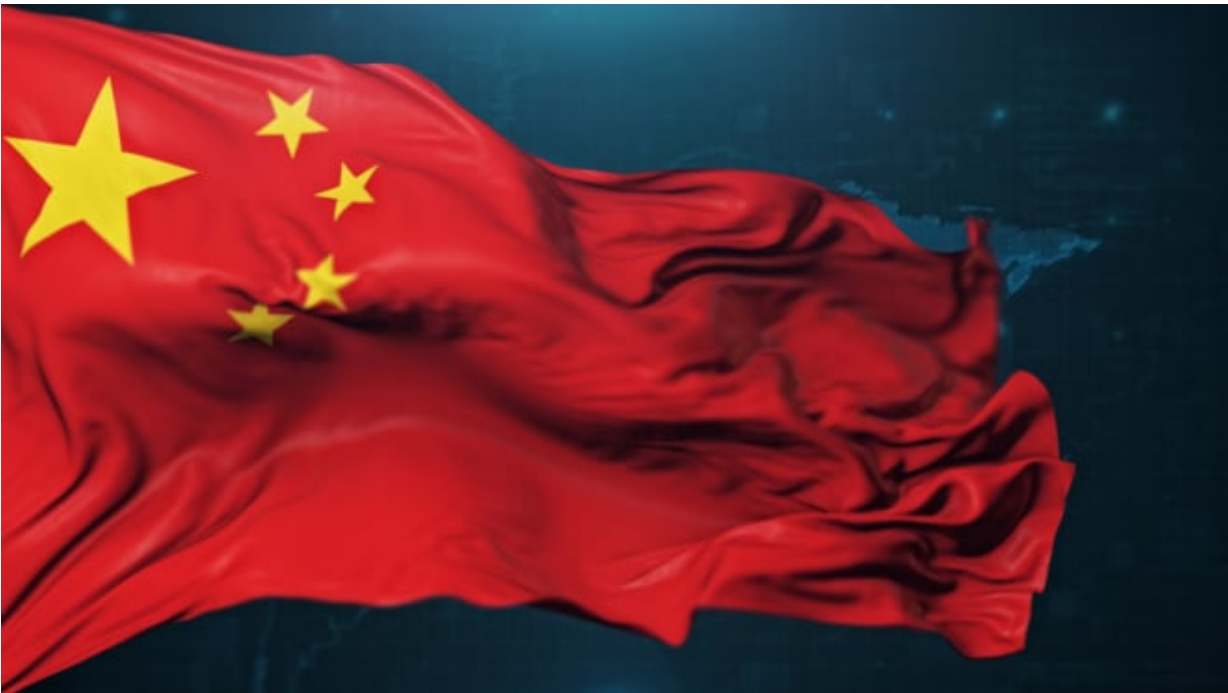


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Posted in ??????????, ??? | No Comments »

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?? ? · Wednesday, December 24th, 2025



da-kuk/iStock

COP30??CCS????????????????????
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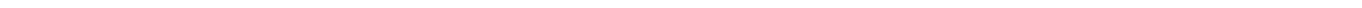
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Characteristics” ???

- ?????2????????????????????IRA??
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- ?????????????????????????????????EV????????????????????????????????????
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?? ?? · Wednesday, December 24th, 2025



Global Energy Policy Research | GEPR - 34 / 85 - **11.01.2026**

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O2????????????3%??????

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

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?? ?? · Wednesday, December 17th, 2025

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Mark Carney's fossil fuel pivot bewilders climate experts and business leaders

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

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?? ?? · Wednesday, December 17th, 2025



Supot Sriboonpuan/iStock

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??R32??

??CO? ?????????????????????

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1. ??????

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

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- ????????2.2kW??
- ?????????????

- ???????800?1,000??

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- ???R410A?GWP?2,088?
- ???R32?GWP?675?

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- ?0.6 kg????????

3. CO???????

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- ?????10?
- ?????????????????25?

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???	0.6 kg
GWP??R410A?R32?	1,413
?????	25?
???	$0.6 \times 1,413 \times 0.25 \approx 212 \text{ kg-CO}_2$

???1????0.21???CO????????

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

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??????????	????????	1,000?1,500
??		8,500?18,000

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5. CO??1????????

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

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?? ?? · Tuesday, December 16th, 2025

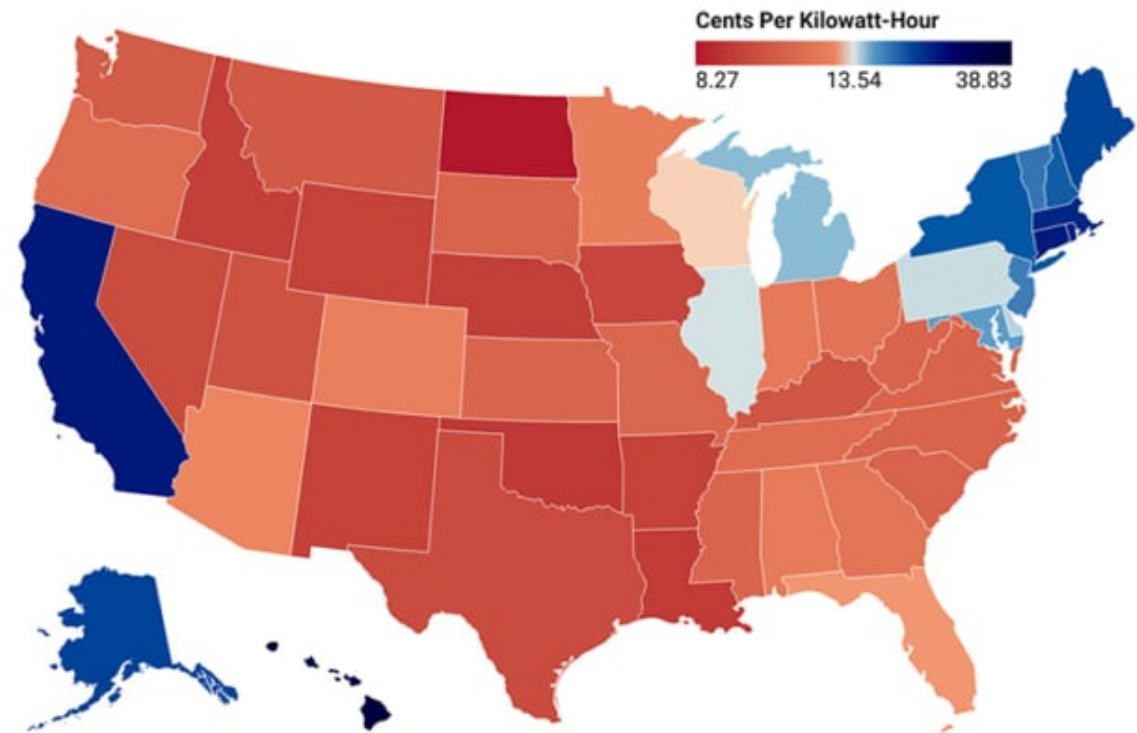


standret/iStock

???Energy Bad Boys??Institute for Energy Research?IER????????????????????

FIGURE 1: STATE ELECTRICITY PRICES VS. U.S. AVERAGE

Blue colors indicate electricity costs are above the national average, red colors show costs are below the national average.



All-Sectors Electricity Prices from the U.S. EIA January 2025 -August 2025
Map: Always On Energy Research and Institute for Energy Research • Source: U.S. Energy Information Administration • Created with Datawrapper

Figure 1. Liberal states tend to have higher electricity rates than conservative states, largely due to state energy policies.

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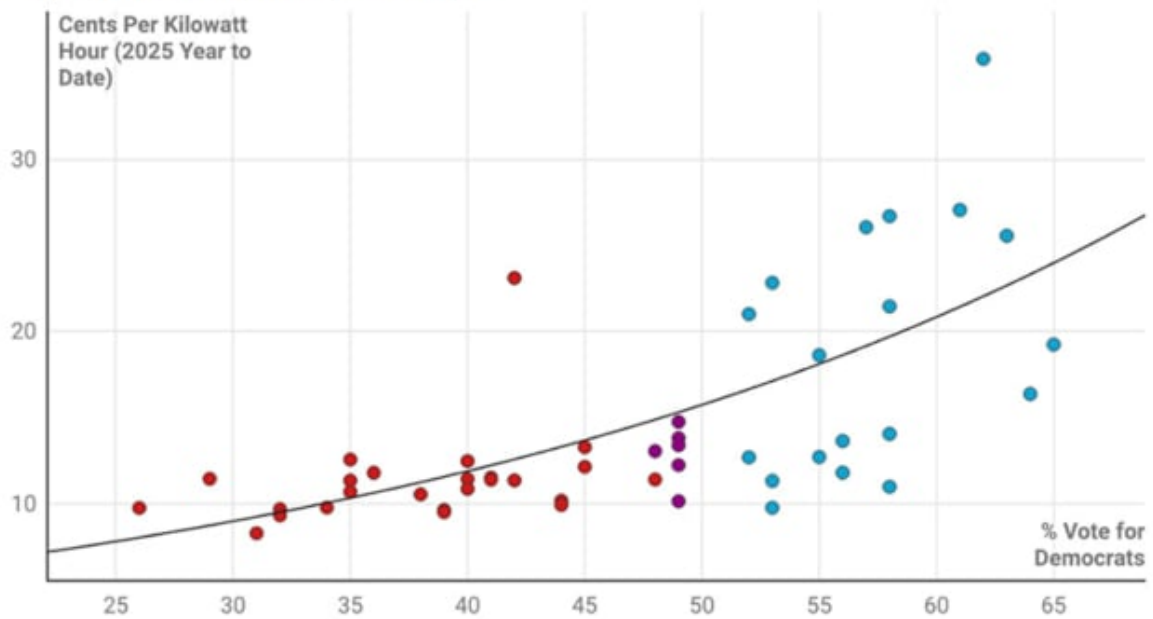
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Electricity Prices Based on Average Percentage Votes for Democrats in Last Two Presidential Elections



Created with Datawrapper

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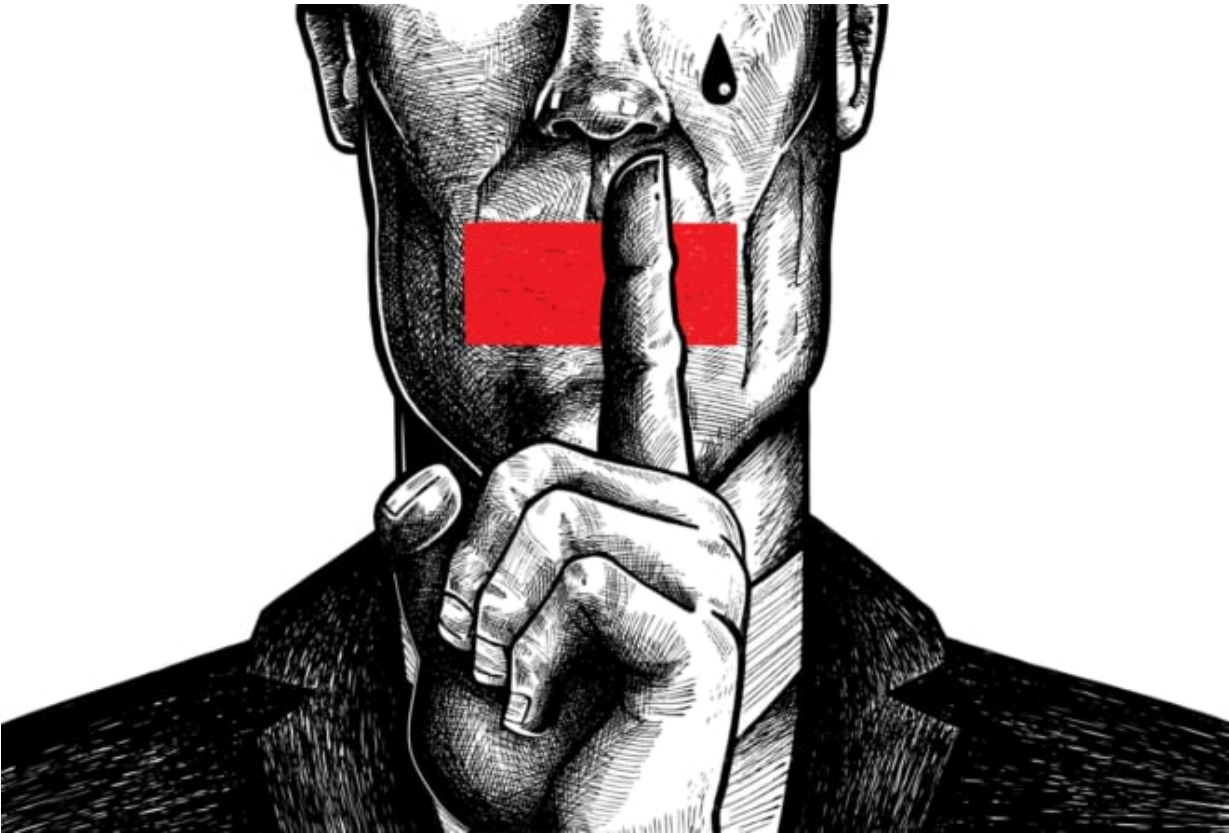


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Posted in ??????????, ??? | No Comments »

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?? ?? ? · Monday, December 15th, 2025



Man_Half-tube/iStock

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2025?10?23????N????????????????????4????????

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erwache!”????????????????????????????????

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

?????2027????????????????????

?? ?? · Monday, December 15th, 2025



Pavel Vorobev/iStock

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??10???2.8kW????????????1????????????

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- 2027????????????????87????????
- 2027????????????????100????????

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17????????????????????10?15????????????????????????????????????

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???????	115,280?	239,800?	?? 124,520?
???????	913 kWh/?	746 kWh/?	? 167 kWh/?
????????EP?			43.06?/kWh
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??????			?17.3?

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- ????9?????9???????
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???????	90,640?	230,899?	?? 140,259?
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??????			0.278*
??????			?34 kWh/?
?????1?????			26.08?/kWh
???????			?887?/?
??????			?158?

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????????JIS????1?18????????3????10????????1????5????JIS????0.28?
?5/18????????????

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17????????160????????????????????

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

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?? ?? · Friday, December 12th, 2025



sankai/iStock

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Oil??

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

?? ?? · Thursday, December 11th, 2025



??2?????????????????ESG??
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Jr.??OECD????????????????????????????????
??NGFS????????CO2??
NGFS??

??NGFS????????????????????ESG??????????????

2025 GPIF ?????????????????? ESG ???????????

GPIF?2024????????????????????????????????4????????NGFS Phase 4
Scenarios????????????????????2023??
GPIF????????????3????????????4????? Net Zero
2050????????PnL????????4????????????????

MUFG?Climate Report????????2025

????????NGFS????????????????????Net Zero 2050?Delayed
Transition?Current Policies????????????

????????TCFD?TNFD???? 2024

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at-Risk (CVaR)????????
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SOMPO???????? ?????????????2024

??NGFS????????
??MSCI?????Cl
imate Value-at-Risk?CVaR????????????????

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

??GPIF????????????????????ESG????????????????????
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GPIF????????????????

GPIF??ESG????????????????????
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GPIF??

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Rachel Reeves hit with urgent warning as Sweden’s pension disaster exposes huge ‘danger’ in her plans

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Sweden’s pension disaster rings alarm bells for Reeves

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1770????????????

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

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

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??? ?? · Thursday, December 11th, 2025



Stadtrate/iStock

2025?11?29?blackoutnews????????????????600????????????????

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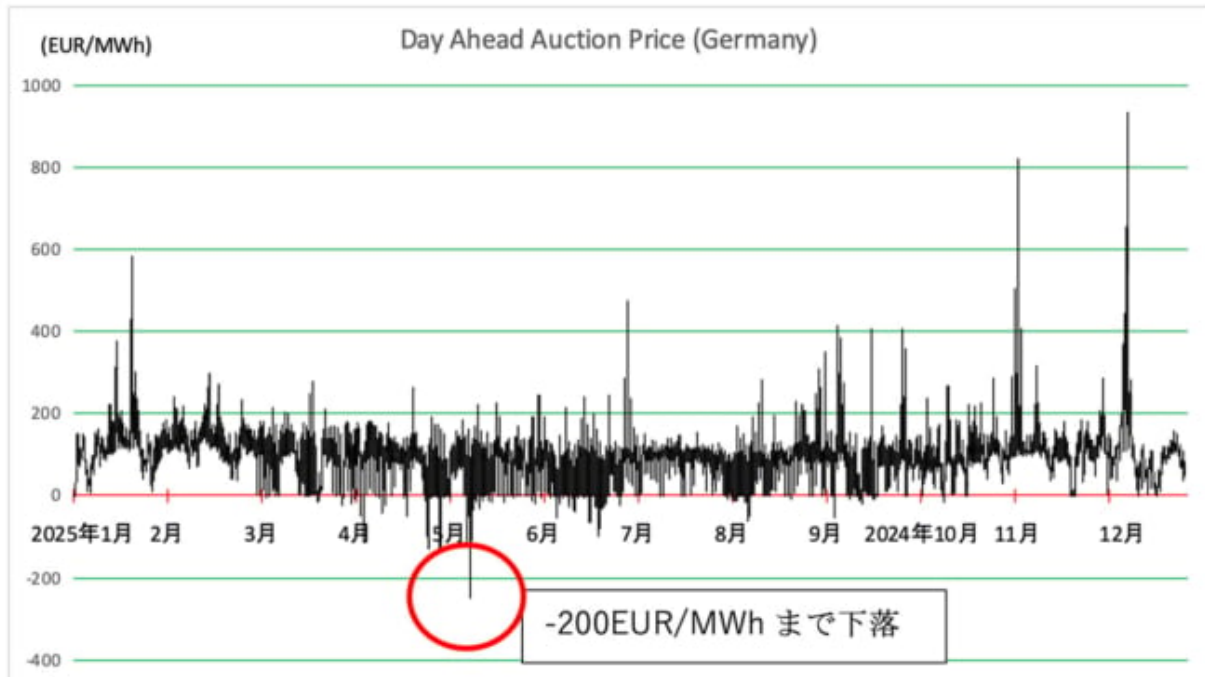
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?1??2024?10??2025?9???1????????????????????????????????150EUR/MWh????????3???9
 ?????????????????????????????



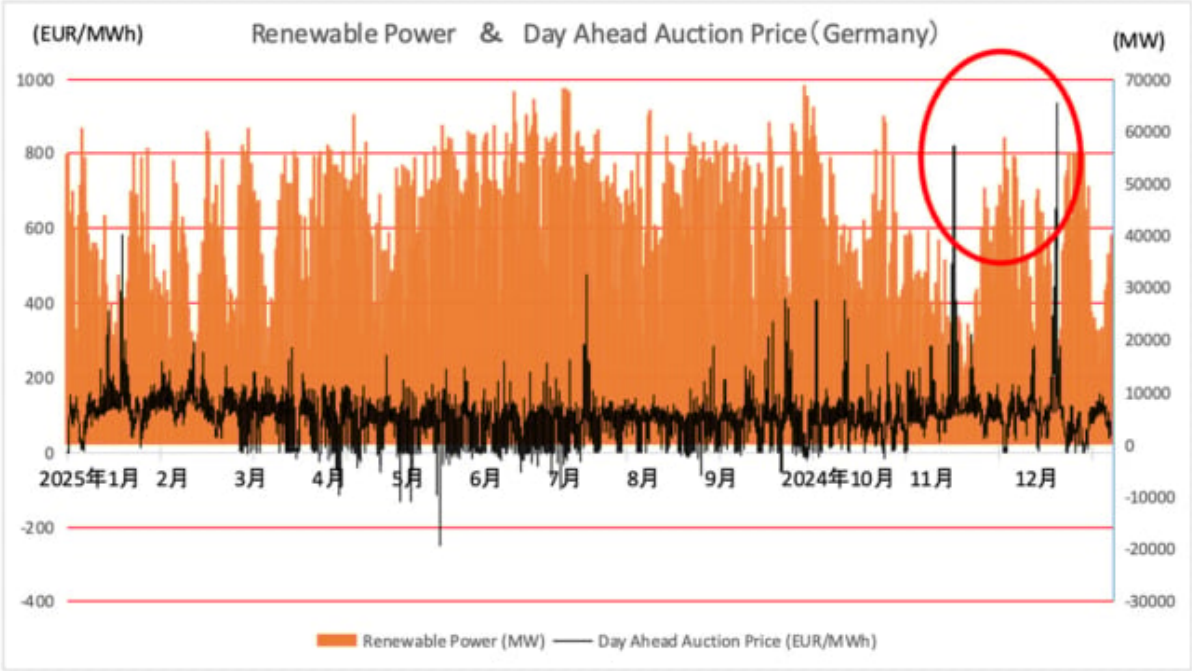
?1????????????????2024?10??2025?9??

????5?11??12??15????????????????????????????????-200
 EUR/MWh????????1????????????????????????????569????????

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 ?????????????????????70EUR/MWh????????????????????“????????”??????

????2????????????renewable power????????????????????????????



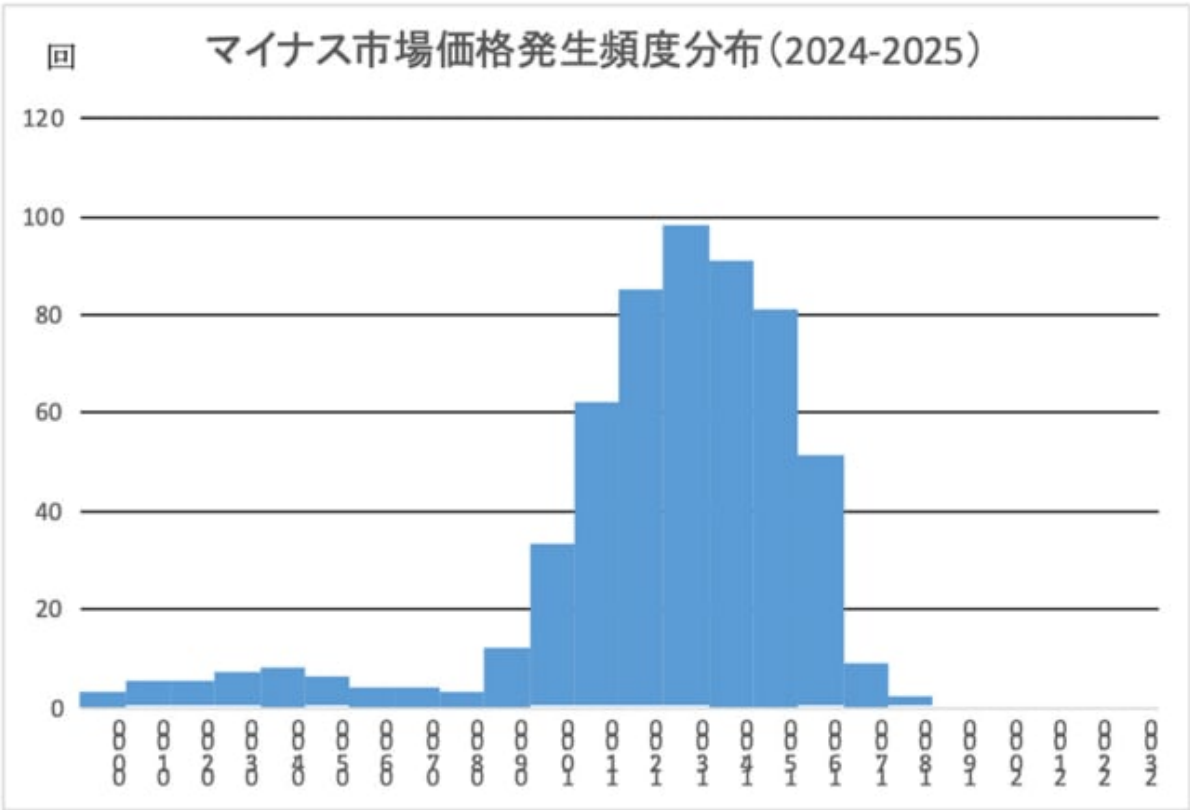
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4??9????????????? renewable power????????????????????????????????11??12??renewable power??

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LNG??800EUR/MWh????????????????????????????
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11?15??11?15????????????????????????????????

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

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?? ?? · Wednesday, December 10th, 2025



Sunshine Seeds/iStock

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Energy Dominance – Restoring American energy dominance (in oil, gas, coal, and nuclear) and reshoring the necessary key energy components is a top strategic priority. Cheap and abundant energy will produce well-paying jobs in the United States, reduce costs for American consumers and businesses, fuel reindustrialization, and help maintain our advantage in cutting-edge technologies such as AI. Expanding our net energy exports will also deepen relationships with allies while curtailing the influence of adversaries, protect our ability to defend our shores, and—when and

where necessary—enables us to project power. We reject the disastrous “climate change” and “Net Zero” ideologies that have so greatly harmed Europe, threaten the United States, and subsidize our adversaries.

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

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?? ?? · Sunday, December 7th, 2025



wildpixel/iStock

9?5????????????????????????????????????

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2024????2????????

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Jr.??OECD????????????????????????????????????NGFS?????
???CO2??NGFS????????????????
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Posted in ???, ????? | No Comments »

COP30??????????

?? ?? · Saturday, December 6th, 2025



COP30??????

COP30??1????????????4?5????????COP????????????
??NGO????????????????????
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?????1????????????????????????3??11?16?19????????????????????????????????

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Inclusive”????????COP????????????

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COP30????????10????1.5????

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????????1????????1????????COP30????????
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????^{22?}????????????????????

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EU????????

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CBAM????EU?“?”

??EU????1??EU????CBAM????
????EU????C
OP????

????2028??3????28????COP????
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C B A M ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? Business
Europe????CBAM????????????????????COP????
????WTO????WTO????CBAM????COP????
????COP????CBAM?COP????

EU??????????10?????

????????COP????????????????????EU??
????????CBAM????COP??3????????????
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??EU??
??EU????????COP??

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1????????????2019??11????????????1????????????2020?11????
2??

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

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?? ??? · Thursday, December 4th, 2025



Trifonov_Evgeniy/iStock

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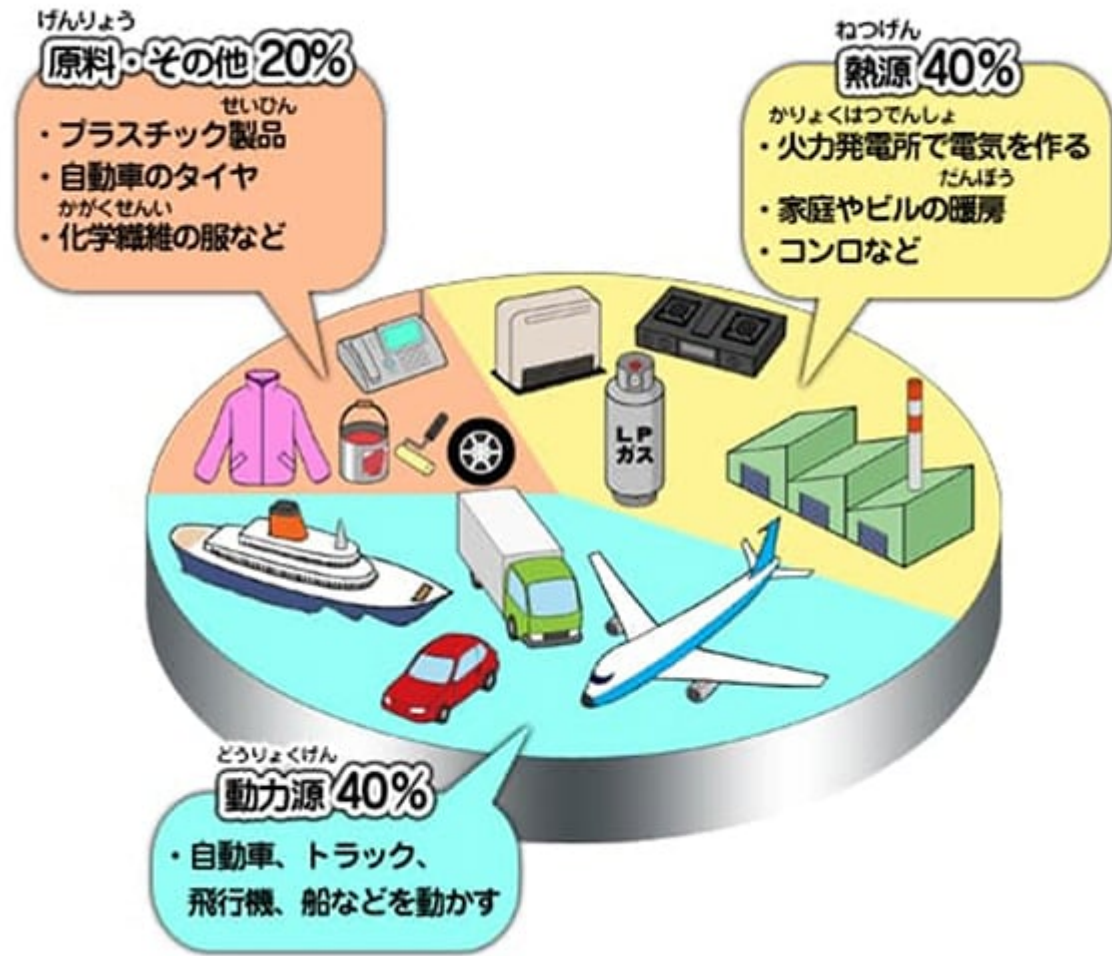
?1????????

?1????????????????????????2021?^{21?}

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石油の消費割合



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BP???2023????????????????????????????2?

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2023^{23?}

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25,300kWh	??
8,100 ^{24?}	??
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7.5	??

57.5

COP282023UAE20503

205044,600kWh1.8^{5?}

42023

2023^{23?}

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775kWh	??
250 ^{24?}	??
1,550	??
2,350	??

1,5502,350

12058

AI

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- ?3?Beautiful Chart????2000?2023????
- ?4?100?kW????1????21????
- ?5?????IEA?2024?????WEO 2024??

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

2026????????????

?? ?? · Tuesday, December 2nd, 2025



ThomasVogel/iStock

2026??

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2025?2????????????CDU?CSU????????SPD????????????????????

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AfD??

	???	AfD
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????????????CDU?CSU?208??SPD?120???????328???630???52?????AfD?152???24?????????INSA????
2025?11???BILD????????CDU?CSU??24.5??SPD??15.0??????11??AfD??26????????????CDU?CSU?SPD?
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??RN????????????
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2024????????????NFP????????Ensemble????????RN????????????????????????????
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2024??
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UK??Reform
UK????????????????????????????

Reform UK??

	???????	Reform UK????
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?????????	20%	31%
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2029?????

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Posted in ???, ?? | No Comments »

COP30??????????10??????1.5??????

?? ? · Monday, December 1st, 2025



COP30??????

11?15??22????????????????COP30????????????????20???COP????????COP30????????????????

COP30?????

COP30??2025????????10????????
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COP28????????????????COP29????????NCQG????????????????COP30????????
?GGA????COP29????????????????UAE????????????2?COP????????????COP?
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??9?1????????????????COP29????????NCQ
G????????9?1????????????????????????????

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????WTO????????????

6????????????2????????????????????2????????COP30??
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????NDC????????????EU?NDC????????

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4????????????COP30????????

????????11?6?7????????over
come dependence on fossil fuels????^{1?}

????EU????83???1.5????^{2?}COP28????
????LMDC????

1????17????18????Global
Mutirão: Uniting humanity in a global mobilization against climate
change????^{3?}

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????9?1????????NDC????NDC????BTR????
????progressively overcome dependency on fossil fuels?
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4????

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- ???NCQG????????????????????????????????
- ???????2????????????9????????9?1????????????
- 2035????????2025????3??

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- ???
- 64?2026?6???66?2027?6???68?2028?6????????????WTO?UNCTAD?ITC????????????????
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?1.5??NDC???

- CMA7?2025??CMA8?2026??Global
Implementation
Accelerator????????UAE????????????????????????????????????COP????????1.5????
????????????????????NDC?NAP????????????SB64?2026?6???SB65?2026?11????????
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- CMA6?CMA7?CMA8????????1.5?????????????.????????NDC??NAP????????????
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????EU??No deal is better than bad
deal???21????????????????????

??10????COP????????????????23????????
????????21????????????????????^{25?}

????????????????????????COP????????????????????????????????I see no
objection????????????????????????????????????^{26?}

??2030????????????
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COP30????????????????????2023??COP28????????????GST????28????
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??overcome dependency on fossil
fuels??COP28????????????????????????????????
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AI??energy transition????????????energy
addition??

???11????????????????????????????????ADIPEC????????COP28????????????????????????????AD
NOC????????????1.5????2050??

ADIPEC??
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1.5????????????????????????????1.5????????????

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⁸⁷????????

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- ?1?Speech by President Lula at the opening of the COP30 Leaders’ Summit in Belém, Pará
- ?2?83 Countries Join Call to End Fossil Fuels at COP30
- ?3?https://unfccc.int/sites/default/files/resource/DT_-cop30-01.pdf
- ?4?https://unfccc.int/sites/default/files/resource/Mutir%C3%A3o_cop30.pdf
- ?5?https://unfccc.int/sites/default/files/resource/cma2025_L24_adv.pdf
- ?6?COP30: Closing Ceremony | UN Climate Change
- ?7?UAE’s Sultan Al Jaber Opens ADIPEC 2025 with Powerful Call for Pragmatic Energy Policies | AQ1B
- ?8?Three tough truths about climate

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?? ? · Thursday, November 27th, 2025



CHUNYIP WONG/iStock

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24????20??——??????“?????”

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????Carbon Symbiosis?—????????????

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