



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

**????????????????3????????**



????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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????????????GX-ETS????????????????  
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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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????????????2018??2020????100????  
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??CO2????  
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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????????????????????  
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????????

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

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

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?? ?? · Wednesday, January 7th, 2026



Scharfsinn86/iStock

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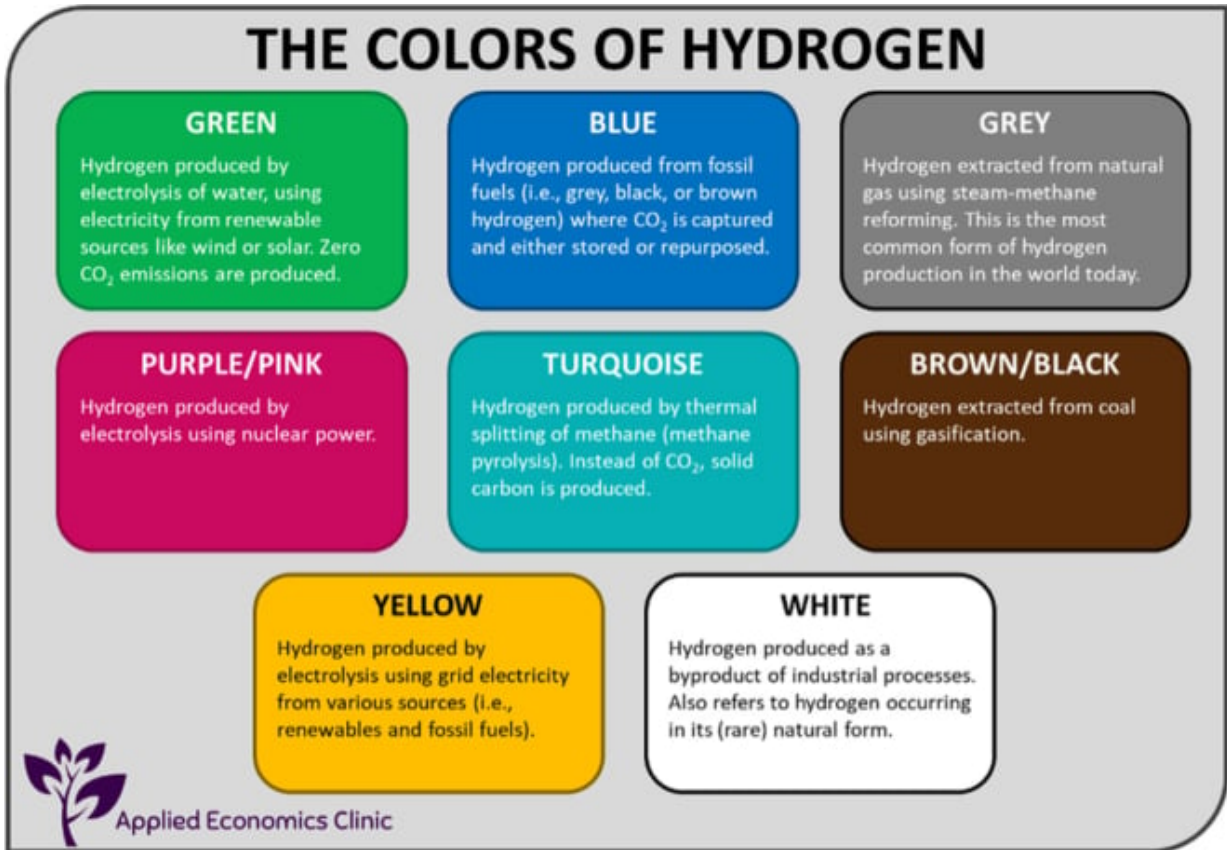
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?? ?? · Tuesday, January 6th, 2026







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

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?? ?? · Tuesday, December 30th, 2025

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??2025?4??12?25????????  
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**??????VLS???**

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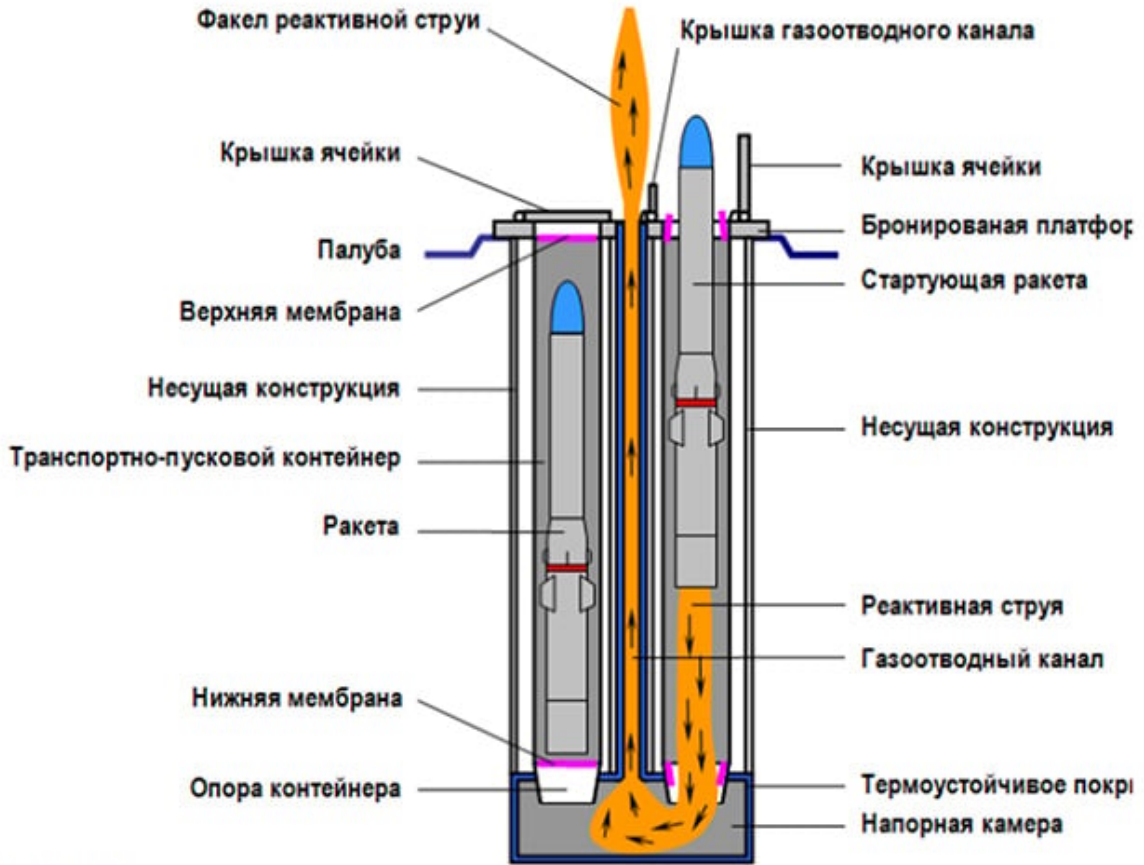
??????????????SLBM?VLS? ?????????????????

VLS????????????????????360°????????????????  
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????VLS??????Mk41?

©Wikipedia



AdmiralHood, vladfotki.narod.ru

Mk41?????????????  
©Wikipedia

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

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2025????????????????????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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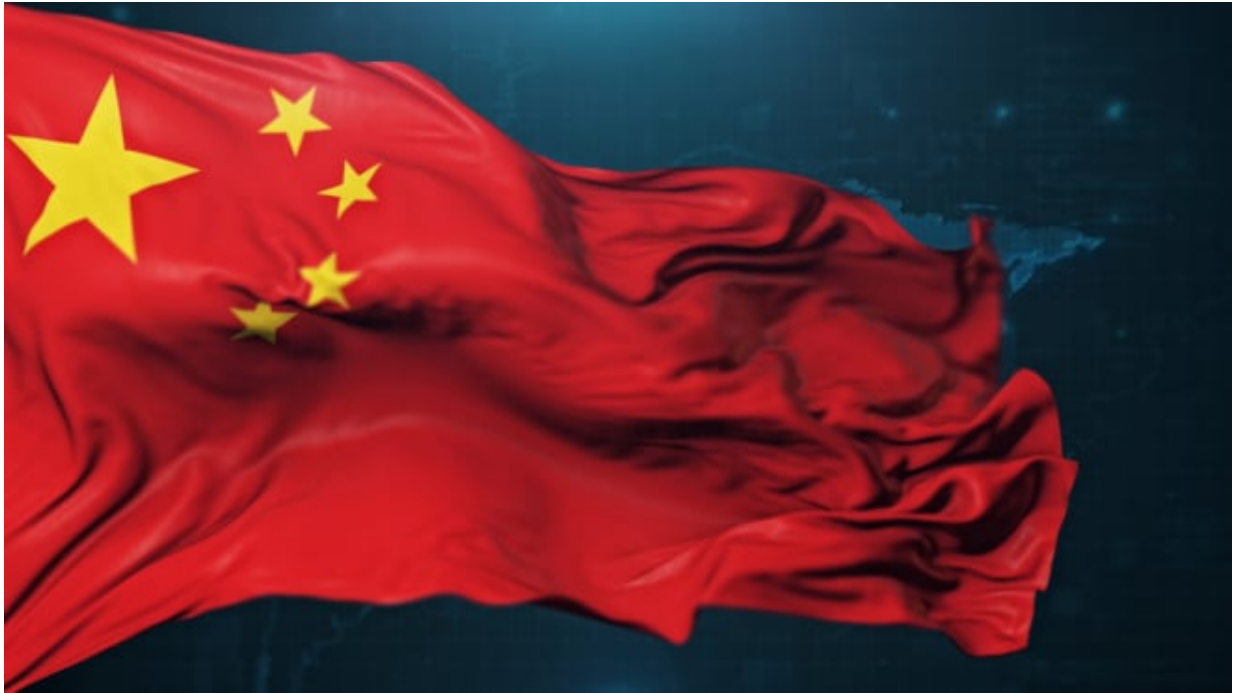
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Posted in ??????????, ??? | No Comments »



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?? ? · Wednesday, December 24th, 2025



da-kuk/iStock

COP30??CCS????????????????????  
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??NGO????????????????????NGO????????????????????????????????  
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??Breakthrough Institute ?”Greenwashing with Chinese  
Characteristics” ???

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2021????????????????????????470????????????????????????240?????EU?????160????????????????

???2025?????EU????????????????????????????200????????????????????????150????????????????????????3  
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O2????????????????3%???????

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

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

??GFANZ????????????????????????????????????  
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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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??????2027??

**?????2027????????????????????????**

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????????????????CFC?HCFC?HFC?HFC?GWP?GWP?  
R32??

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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???????

??????CO????????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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??		8,500?18,000

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

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?????	8,500?18,000?
CO????	?0.21 t
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### 6. ??????????????

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??R410A????????????????R32??

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

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?? ?? · Tuesday, December 16th, 2025

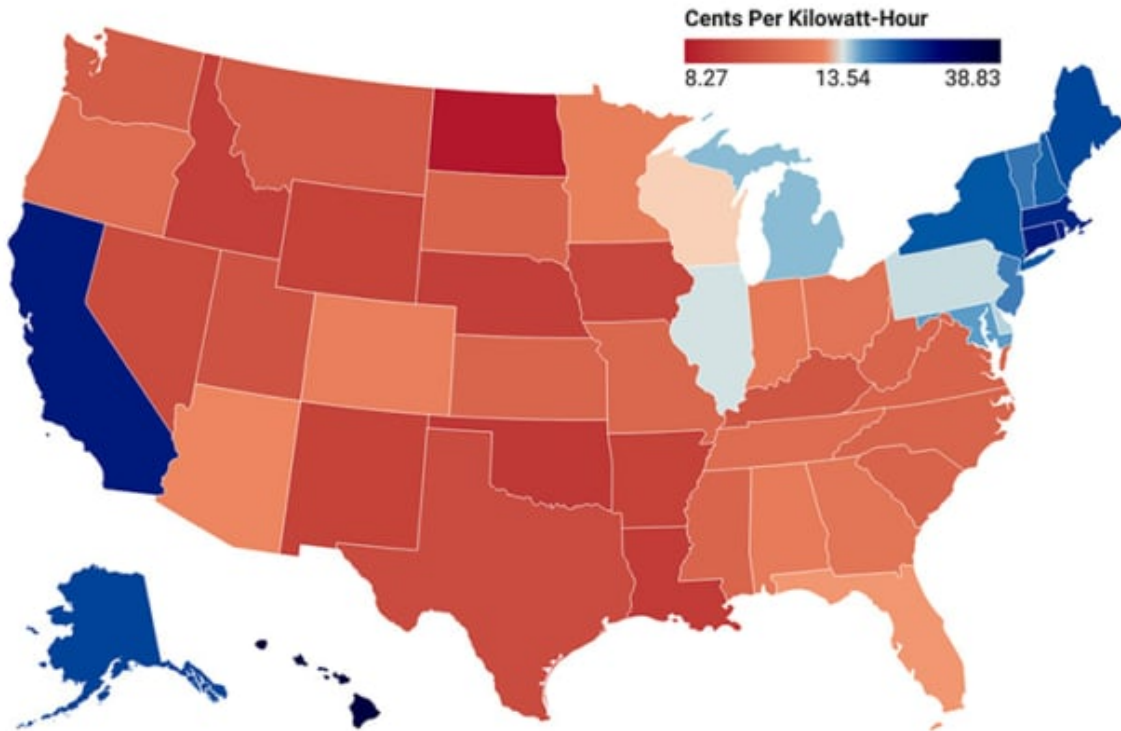


standret/iStock

??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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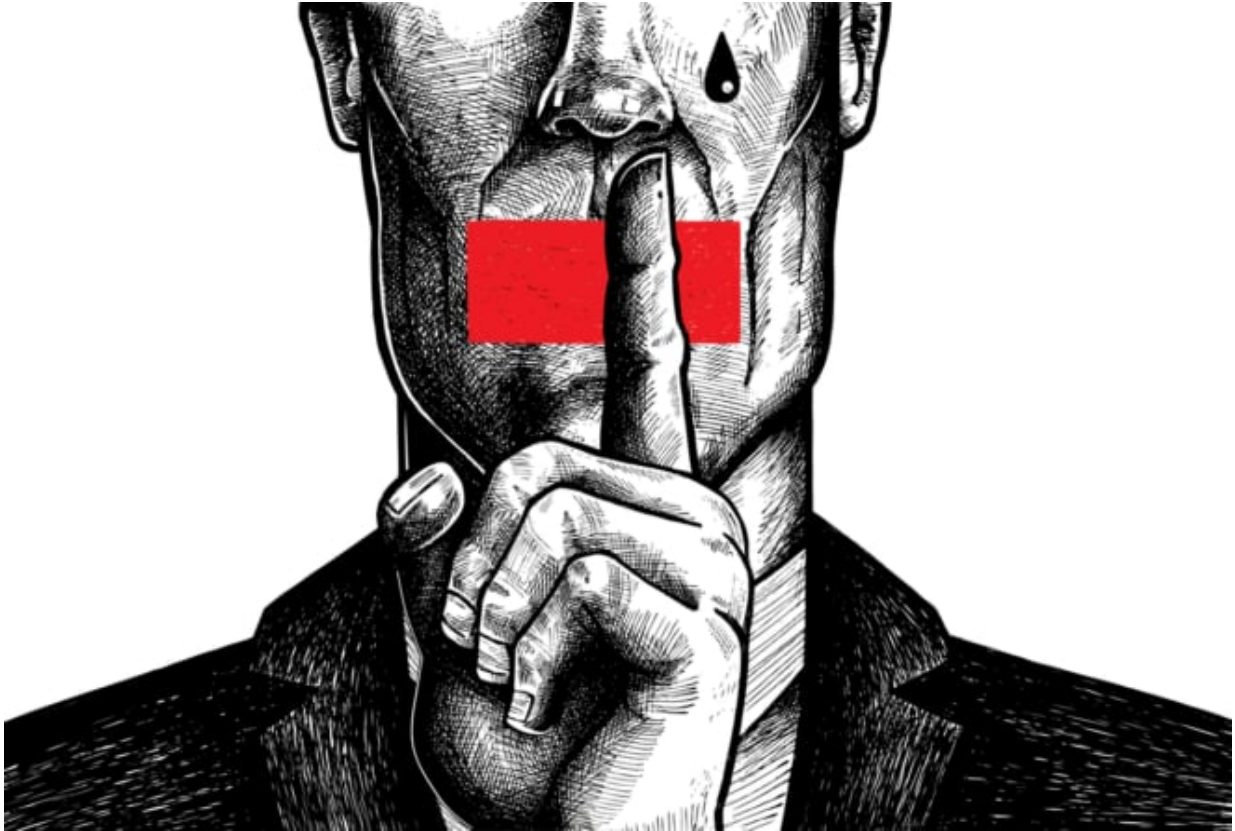
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?? ??? ?? · Monday, December 15th, 2025



Man\_Half-tube/iStock

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

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erwacht????????????????????????????????????“wake”??  
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2021 45 4

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

?? ?? · Monday, December 15th, 2025



Pavel Vorobev/iStock

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

**?????2027?????2????????????????????**

??2????????????????????10????????????????20????????????  
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**????????????10??1????????????????17?**

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

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

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????????????????12.5??????JIS????????????????????167kWh????????????EP????????????????B?????????  
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17????????????????????10?15??

?1?????????10?? ?

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???????	115,280?	239,800?	? 124,520?
???????	913 kWh/?	746 kWh/?	? 167 kWh/?
????????EP?			43.06?/kWh
???????			?7,191?/?
??????			?17.3?

**????????????????????160?**

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- ??????????9???????
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????????????????6????????????????JIS????????????????????????????????34 kWh??????

????????????????????1????????????????????????????900????????????????158???160????????????????????????????2??

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???????	90,640?	230,899?	? 140,259?
????????JIS?	717 kWh/?	594 kWh/?	? 123 kWh/?
??????			0.278*
??????			?34 kWh/?
?????1?????			26.08?/kWh
???????			?887?/?
??????			?158?

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

**????????10????????????**

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

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

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?? ?? · Friday, December 12th, 2025



sankai/iStock

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????CO??WSJ????????????????????????????2005????30????????  
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Oil??

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

## GPIF?ESG?????????NGFS??????????????????

?? ?? · Thursday, December 11th, 2025



wenjin chen/iStock

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??2100?????????GDP?6????????????????????  
????????????????2024????????2????????????????????????????????

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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**

??NGFS????????MSCI????????Climate Value-  
at-Risk (CVaR)????????????

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**SOMPO???????? ?????????????2024**

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

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

# ????????????????????“????”????????

?? ? · Thursday, December 11th, 2025



Stadtrate/iStock

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

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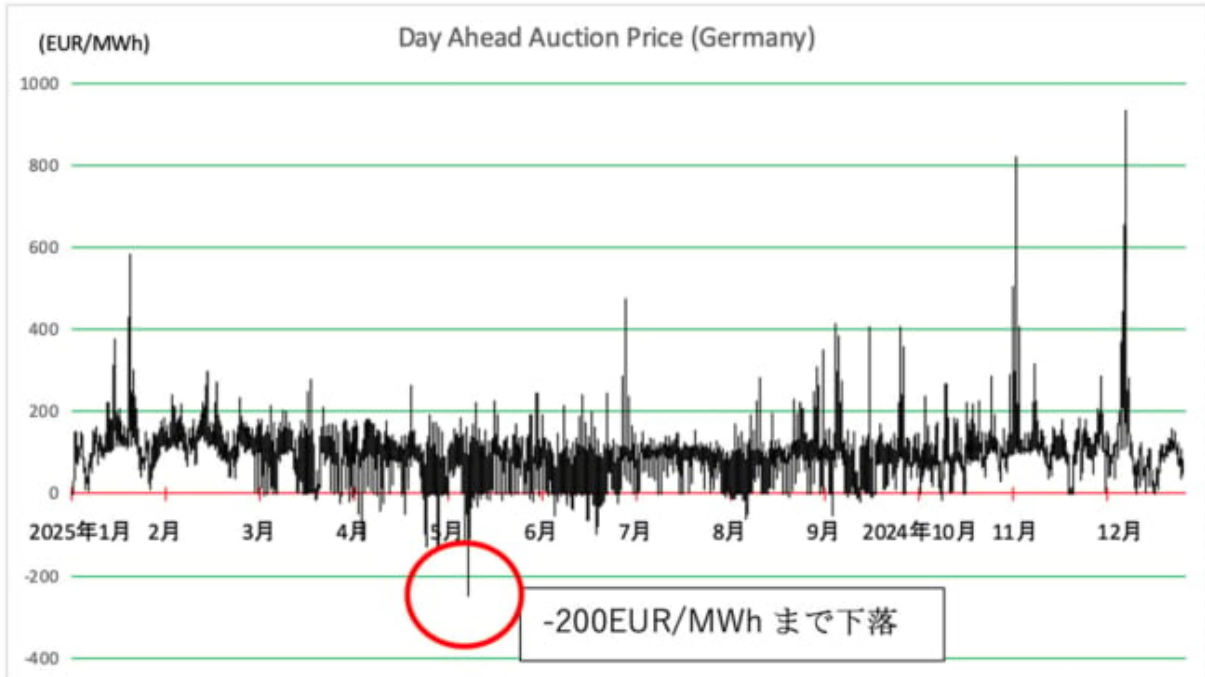
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?1????????????????2024?10??2025?9??

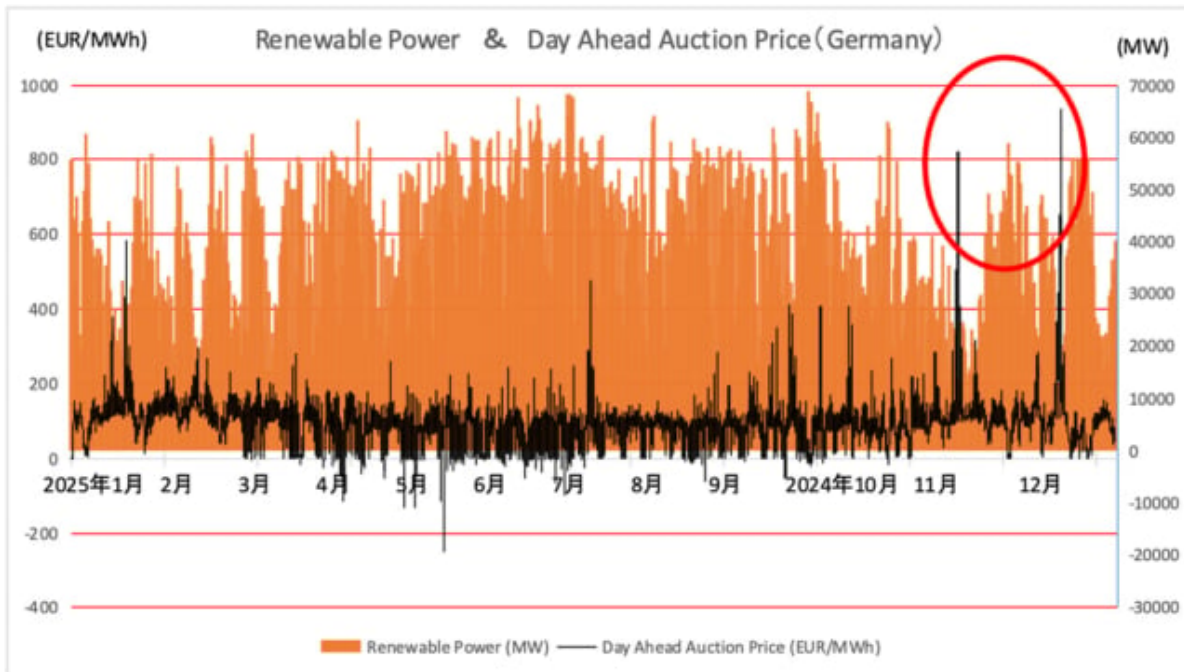
????5?11??12??15????????????????????????????????-200  
EUR/MWh????????1????????????????????????????????569????????

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





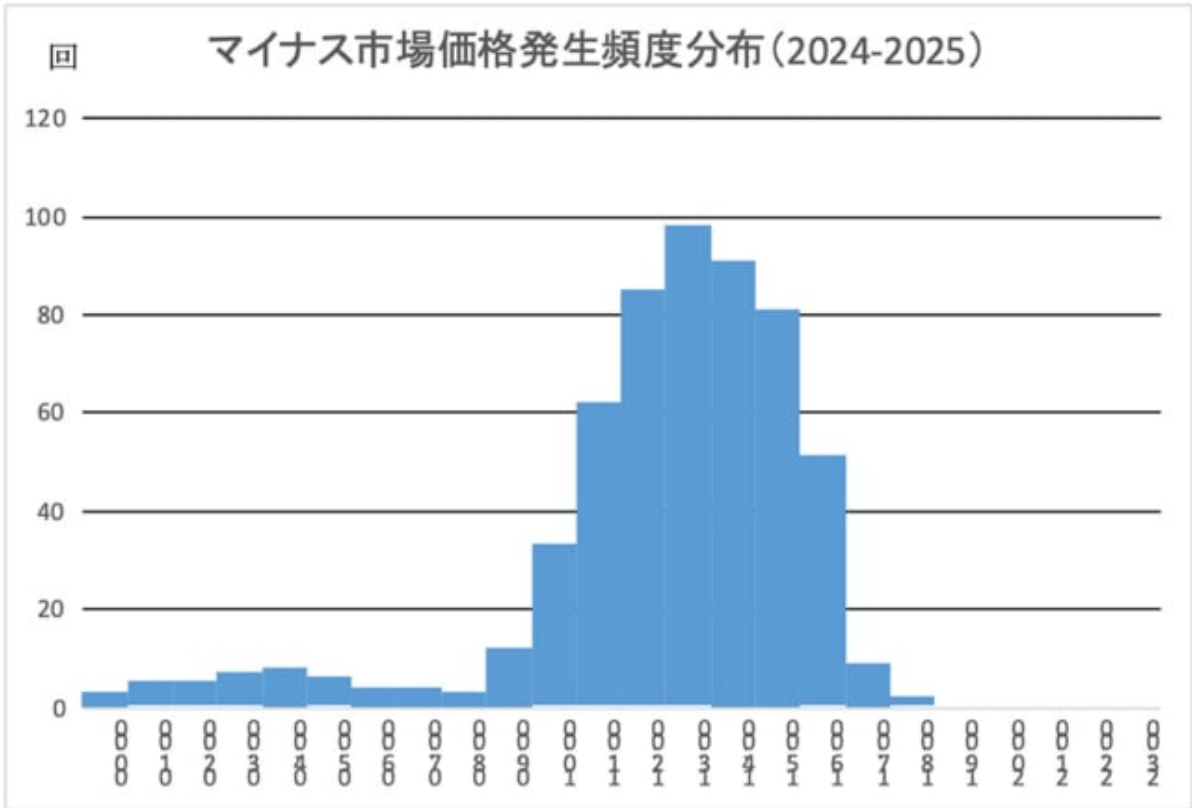
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4??9???????????????? renewable power??1??12??renewable power??

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LNG??800EUR/MWh??  
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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

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

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Jr.????????????????????OECD????????????????????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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Inclusive”????????COP????????????????

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

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**EU????????????????**

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**CBAM?????EU?“?”**

?EU????????1?EU????????CBAM?????  
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CBAM????????Business  
Europe????CBAM????????COP????  
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????COP????CBAM?COP????



# EU??????????10?????

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

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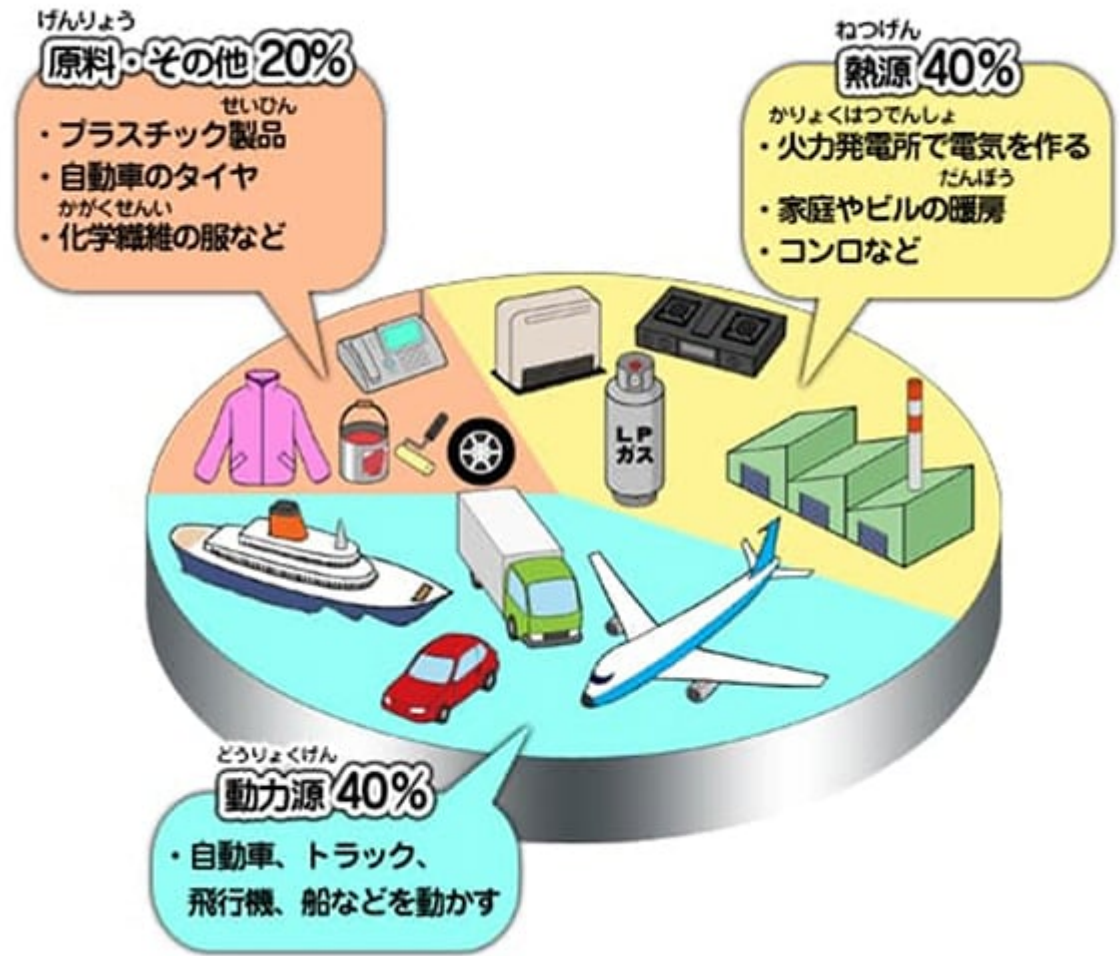
?? ??? · Thursday, December 4th, 2025



Trifonov\_Evgeniy/iStock



# 石油の消費割合



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BP???2023???????????????????????????

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

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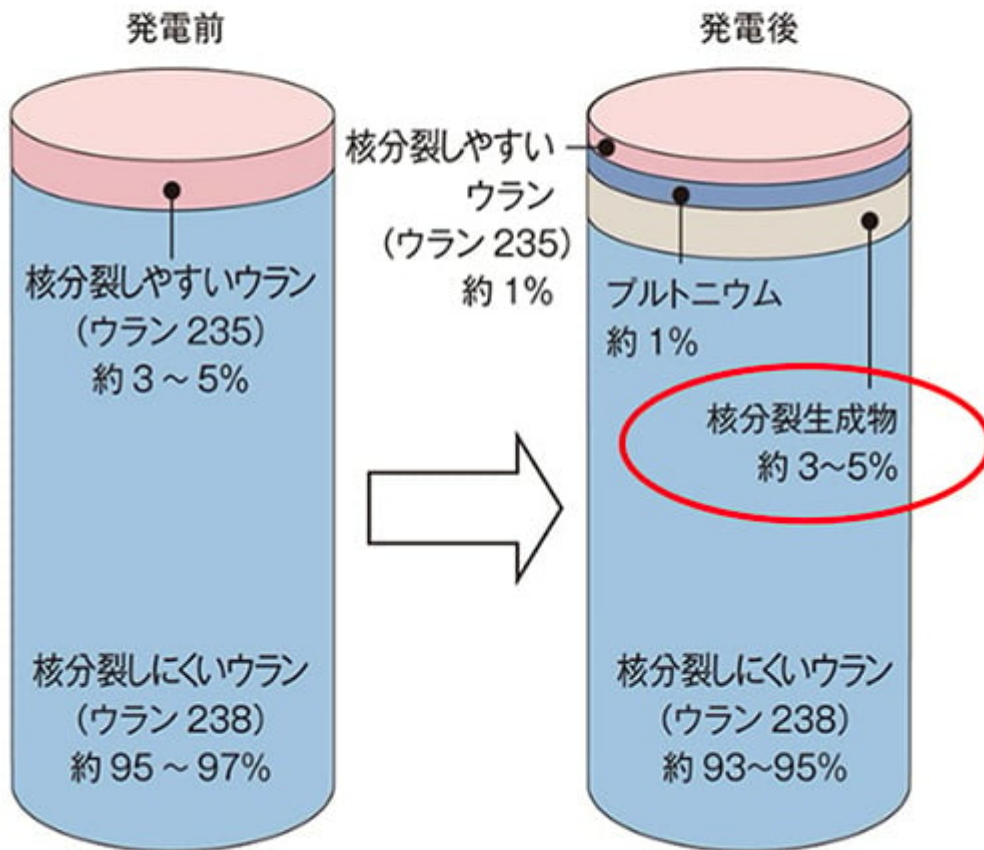
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## ②発電前後でのウラン燃料の変化(例)



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2030?2050????????????????????????7????????????????????????  
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- ?1????????????2023?
- ?2????????????
- ?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
???????	52%	24%
???????	40%	26%
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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????????????????????????EU??  
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2024????????????NFP????????Ensemble????????RN????????????????????????????  
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???????	34%	25%
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???????	63%	1%
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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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91 COP29 NCQ  
G91

NCQG 2030 3 NCQG

2 EU CBAM  
CBAM EU  
WTO

6 COP30

1.5 COP30 1.5  
NDC EU NDC

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4

4 COP30

1167 overcome dependence on fossil fuels<sup>11</sup>

EU 83 1.5 COP28 LMDC

17 18 Global Mutirão: Uniting humanity in a global mobilization against climate change<sup>33</sup>

91 NDC NDC BTR progressively overcome dependency on fossil fuels

21<sup>34</sup>

4

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- [NCQG](#)
- [2025](#)
- [2025](#)

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- [64](#)
- [2028](#)

1.5?NDC???

- [CMA7](#)
- [CMA6](#)

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- [???](#)

EU? No deal is better than bad deal?

10? COP? 23?

COP? I see no objection?

2030? COP31?

Point of Order?

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COP30???

COP30? 2023? COP28? GST? 28?

overcome dependency on fossil fuels

COP28 COP29 NCQG COP30

GIA UAE

1.5

COP affordability

AI energy transition energy addition

ADIPEC COP28 AD NOC

1.5 2050

ADIPEC COP

2021

COP 2035 2033 NDC

COP29 NCQG COP30

1.5

1.5

2028 1.5

2

82 1.5

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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](https://unfccc.int/sites/default/files/resource/DT_-cop30-01.pdf)

?4?[https://unfccc.int/sites/default/files/resource/Mutir%C3%A3o\\_cop30.pdf](https://unfccc.int/sites/default/files/resource/Mutir%C3%A3o_cop30.pdf)

?5?[https://unfccc.int/sites/default/files/resource/cma2025\\_L24\\_adv.pdf](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

Posted in ???, ????? | No Comments »

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?? ? · Thursday, November 27th, 2025



CHUNYIP WONG/iStock



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<https://agora-web.jp/archives/250916072423.html>

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<https://agora-web.jp/archives/250713110320.html>

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**The Feasibility of a “Hydrogen Society”**

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

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?? ?? · Thursday, November 27th, 2025



Khanchit Khirisutchalual/iStock

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COP30??  
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# Energy × Sector Matrix: Best-fit Applications

Sector	Electricity (Renewables)	Oil	Gas	Nuclear
Transport	⚠️ EV only	✅ Main source	✅	❌
Industry	⚠️	✅	✅	⚠️
Heating	⚠️	⚠️	✅	✅
Chemicals	❌	✅	✅	❌
Everyday Products	❌	✅	⚠️	❌

✅ Best Fit   ⚠️ Limited   ❌ Not Suitable

Takeaway: Energy Wisdom = Choosing the best-fit energy for each sector.

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

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?? ?? · Wednesday, November 26th, 2025



sommart/iStock

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2024?3?27??



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[https://www.pveye.jp/eye\\_sight/view/5101/](https://www.pveye.jp/eye_sight/view/5101/)

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

### CO???????????????? COP30????????????

?? ?? · Wednesday, November 26th, 2025



nelic/iStock

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COP30??

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

**??CBAM?COP30??????????CBAM??????????**

?? ?? · Sunday, November 23rd, 2025



COP30  
HP??

??8??EU??????????????????????CBAM????????????????????

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<https://agora-web.jp/archives/250828061947.html>

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BAM??

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

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<https://agora-web.jp/archives/251005092737.html>

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

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ETS????EU??EU????  
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????11?10????????????????????????????30????COP30????CBAM????????????

**EU strains to defend carbon levy as trade tensions engulf COP30**

<https://www.politico.eu/article/eu-carbon-border-adjustment-mechanism-trade-tariffs-cop30-india-china/>

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Leestat/iStock

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 Cavanha??????

**The true source of civilization’s future is energy wisdom**

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wragg/iStock

[Do Markets Reduce Prices? Evidence from the U.S. Electricity Sector](#) [Why Are Energy Prices So High? Some Experts Blame Deregulation.](#) “

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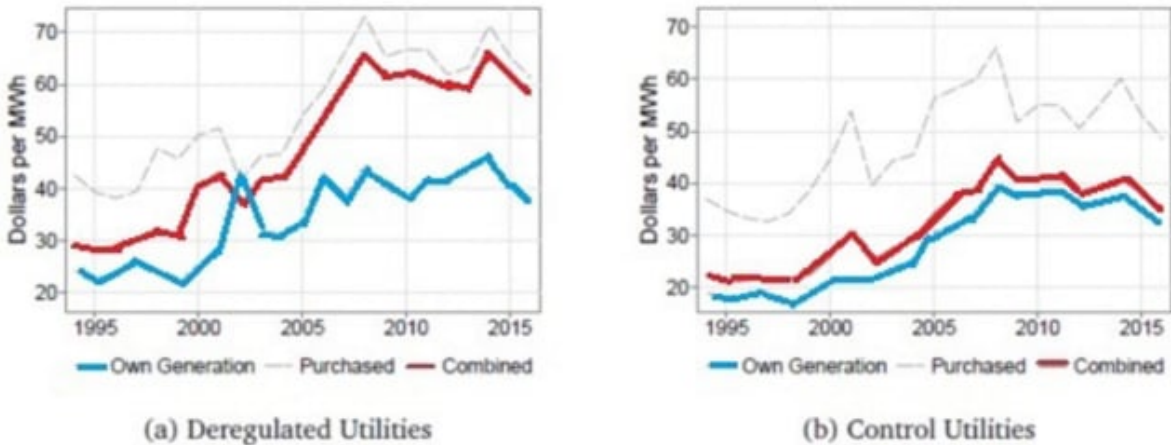
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Figure 1: Average Production Costs for Utilities



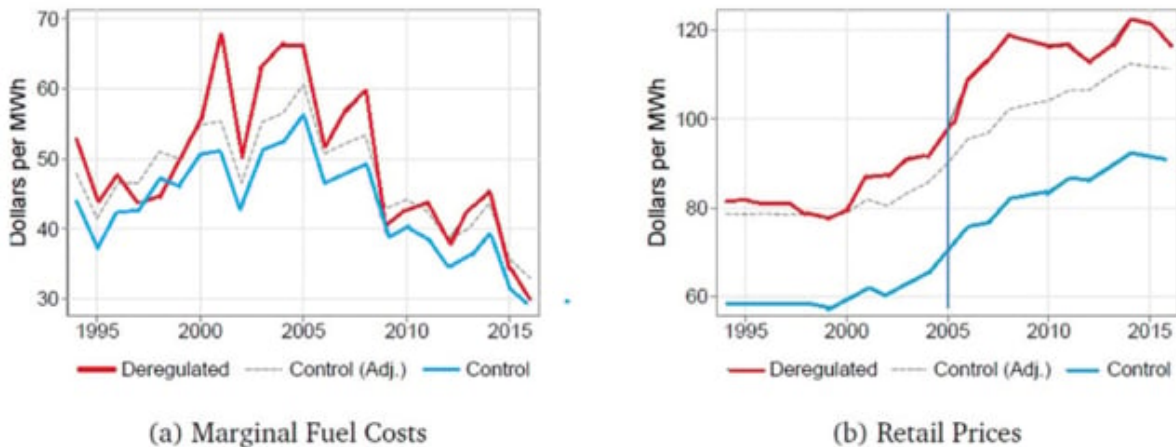
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Figure 2: Average Generation Costs and Retail Prices



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

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?? ?? · Saturday, November 15th, 2025

??ESG????????????????????????????????  
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[??HP??](#)

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### **Mark Carney’s Shift From Climate-Change Warrior to Fossil-Fuel Cheerleader**



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????8????????2008?2?1?2013?6?30????120????????????2013?7?1?2020?3?15????????????????  
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Gemini??

??????Wikipedia????????????????????2020?9????????????????????????????????????Taskforce on  
Scaling Voluntary Carbon Markets?TS-VCM??????????

TS-VCM?2021????????????????Integrity Council for the Voluntary Carbon Markets?IC-  
VCM????????????????IC-VCM????????????????????????????????????

### ESG????????????????????????????????

**Gemini?**???????????????????? IC-VCM (Integrity Council for the Voluntary Carbon  
Market) ?????? Core Carbon Principles (CCPs)  
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???IC-VCM?CCPs??

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**Gemini?**???????????????????? IC-  
VCM?CCPs??  
??CCPs????  
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w Financial Alliance for Net Zero?GFANZ??????????

GFANZ????????????NZBA?NZAMI??2024  
?6????????????????2025?11??????????????????

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V??

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Posted in ???, ????? | No Comments »

**??????BBC??????????????????**

?? ?? · Friday, November 14th, 2025



oatawa/iStock

BBC????????????????????????????????2021?1?6??

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BC????????????????Director General????????????CEO????????

??BBC??100????????????????  
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**The BBC Can't Be Reformed – Its Purpose is Propaganda and Disinformation**

**The BBC's Top 50 Pieces of Climate Misinformation**

**The BBC's Top 50 Pieces of Climate Misinformation – Part 2**

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**1. ??????**

2024?4?BBC??

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**2. BBC????????????????????**

BBC?2023??EU????????????????????????????  
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**3. ?????????????????????**

2024?5?BBC??

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