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

?????????????????6?4554?????

?? ?? · Tuesday, March 26th, 2024



Jeff\_Hu/iStock

????????????????????1?6752????????????

- 2024年度の賦課金単価は、再エネの導入状況や卸電力市場価格等を踏まえ、1kWh当たり3.49円となりました。目安として一ヶ月の電力使用量が400kWhの需要家モデル<sup>※</sup>の負担額を見ると、月額1,396円、年額16,752円となります。
- ※ 総務省家計調査に基づく一般的な世帯の1ヶ月の電力使用量

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1?6752????????????????????

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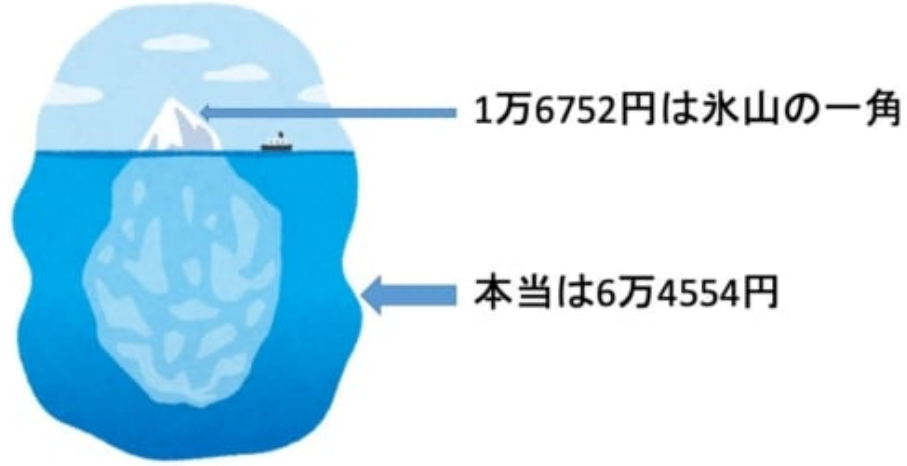
????????????????1kWh??3.49????????????????7707?kWh????????2?6897????????1?????2?2  
716?????3?????6?4554???????

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

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?? ?? · Friday, March 22nd, 2024



Cristian Storto Fotografia/iStock

2024?3?18??J-  
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J-  
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?6??14????????????????????????????????1,113????????????????????1,036?CO2????????????  
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2.2MWh????????????????????????????????

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??2026??EU????????????????????



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

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?? ?? · Wednesday, March 20th, 2024



Jay\_Zynism/iStock

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??World Meteorological Office????????????????????

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WMO????????5??

???5????WMO????????????????5????????4????????????2????????3?1????????????????????????????  
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Google  
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2022??19??????????????????39??18??39.4????????????

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Posted in ???, ????? | No Comments »

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?? ?? · Wednesday, March 20th, 2024







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

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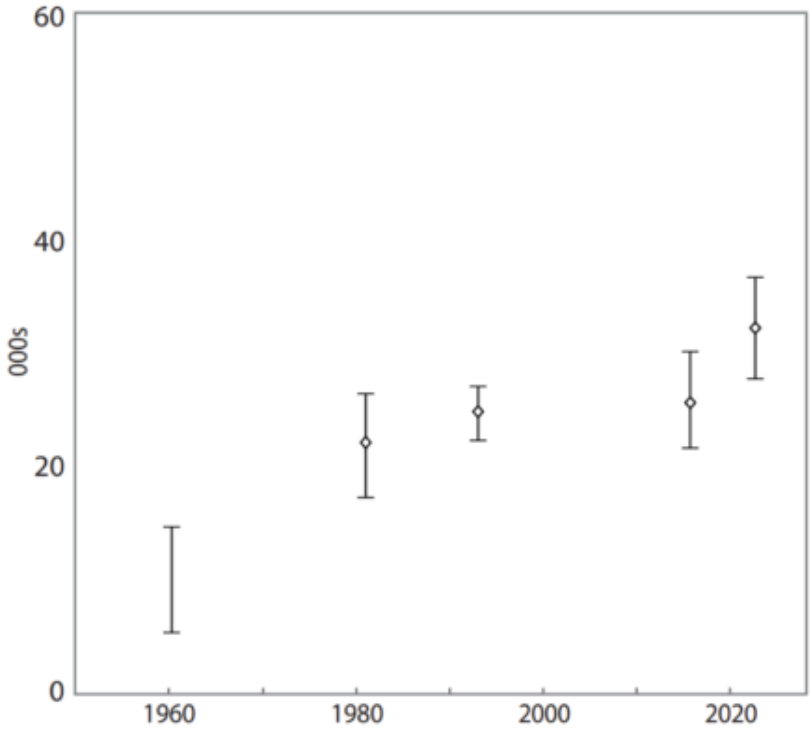
?? ?? · Tuesday, March 19th, 2024



JohnPitcher/iStock

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Figure 1: Estimates of the global polar bear population, 1960 to date.



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Posted in ???, ????? | No Comments »



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?? ?? · Monday, March 18th, 2024



Niklas Flindt/iStock

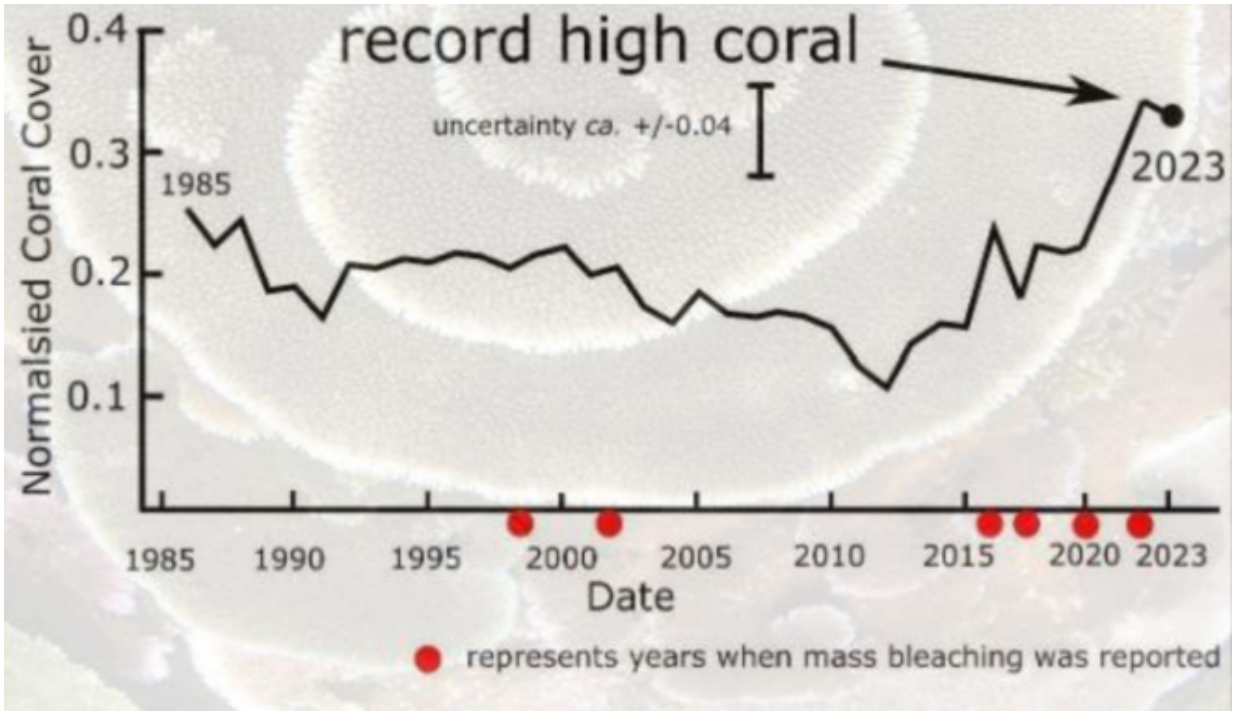
????????????AEF???"????????????????????2024?State of the Great Barrier Reef 2024  
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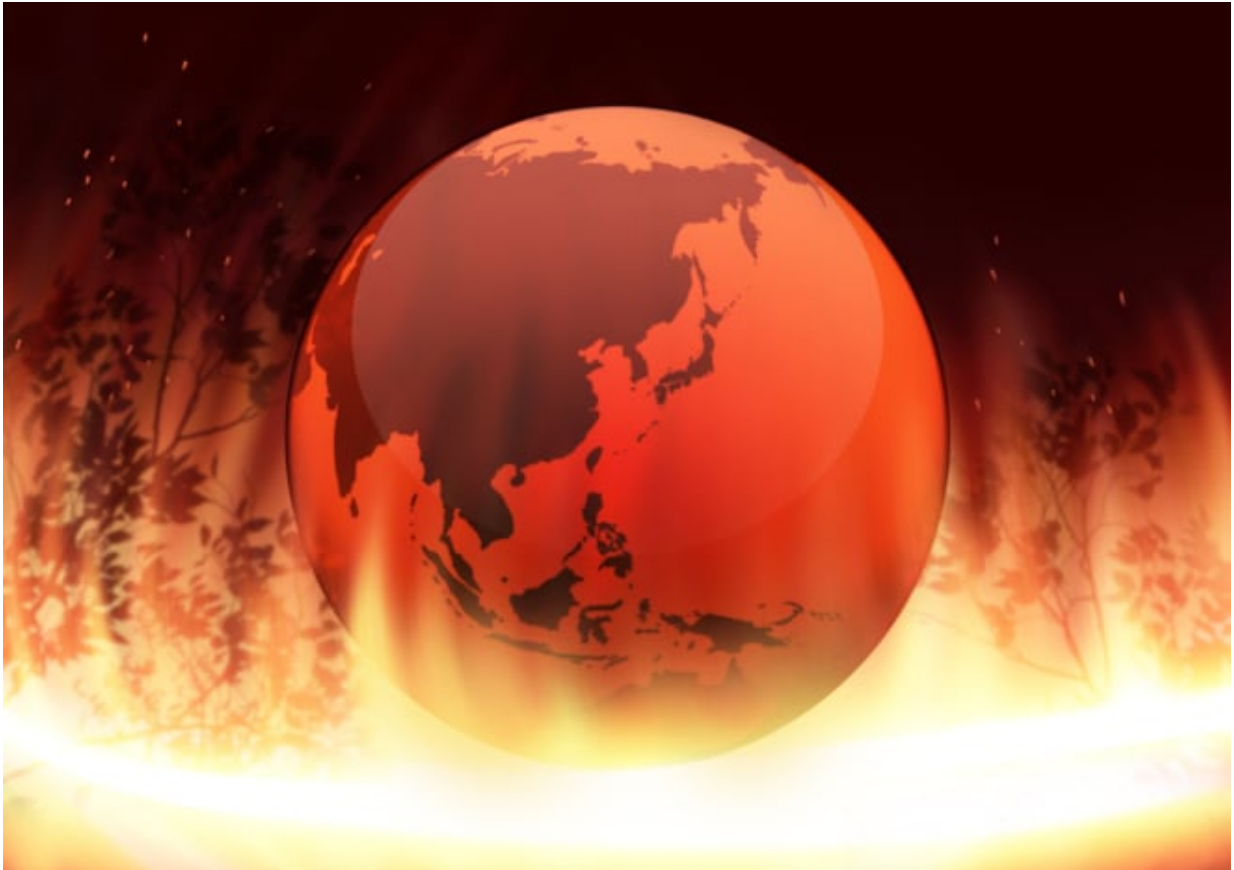
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Posted in ???, ????? | No Comments »

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?? ?? · Tuesday, March 12th, 2024



Tr6/iStock

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[pic.twitter.com/Jriq7emhUT](https://pic.twitter.com/Jriq7emhUT)

— Kenji Shiraishi (@Knjshiraishi) March 8, 2024

??IPCC?6????????????????????????????????????2????????????????  
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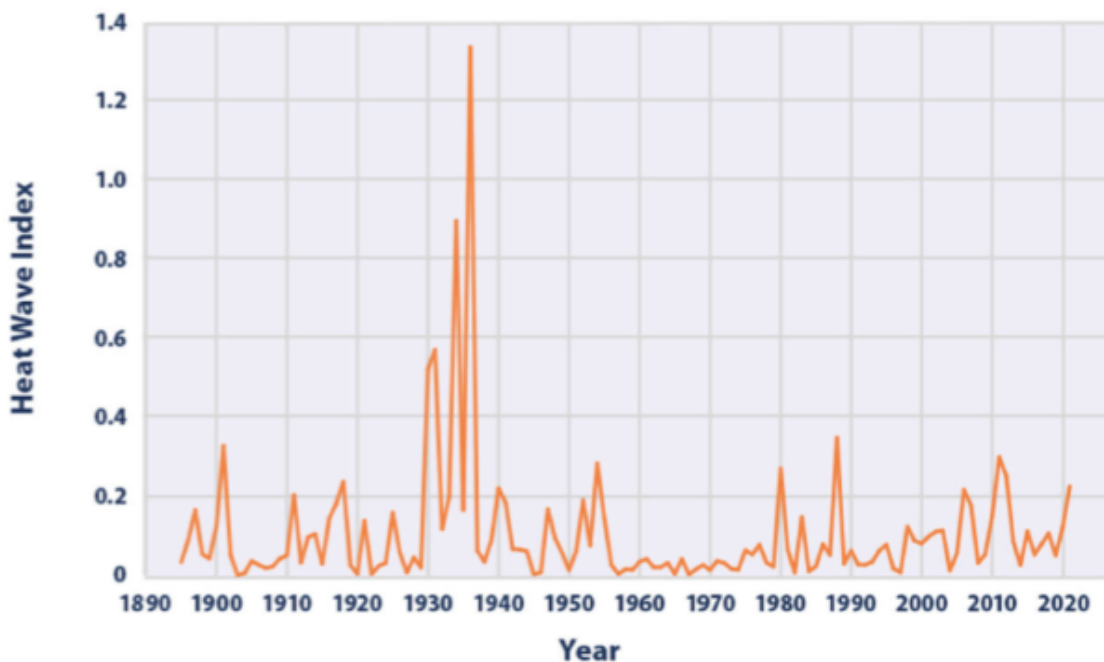
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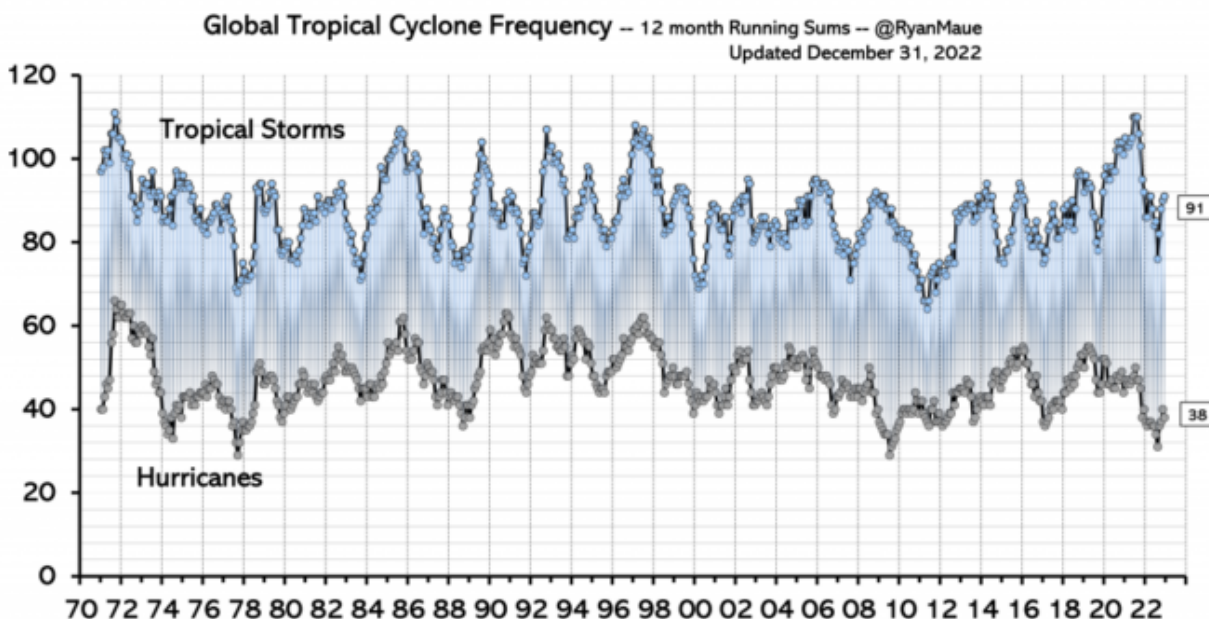
??IPCC????????????????????????????IPCC????????????????????????????  
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?4????????????????(Burn & Palmer)

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??????Nature Science Report??????????

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Posted in ???, ????? | No Comments »

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?? ?? · Monday, March 11th, 2024



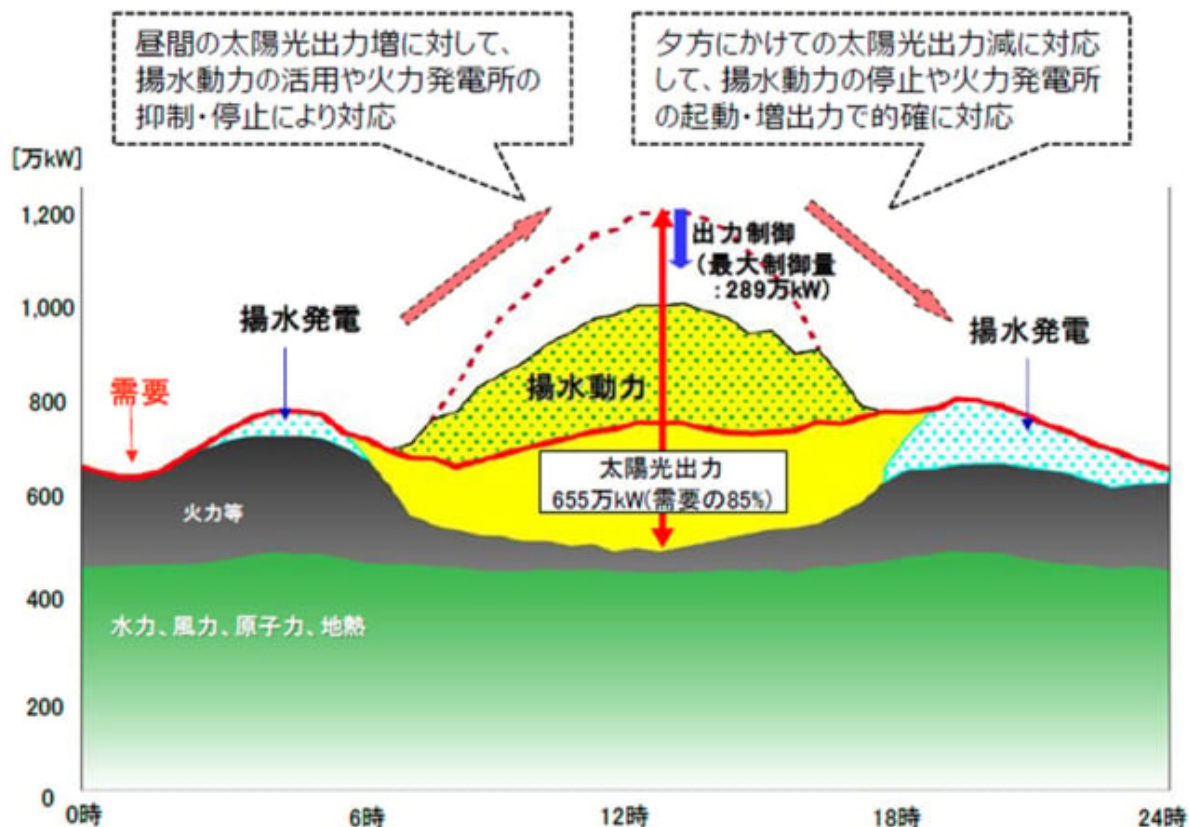
gorodenkoff/iStock

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### <2020年3月8日の九州の電力需給イメージ>



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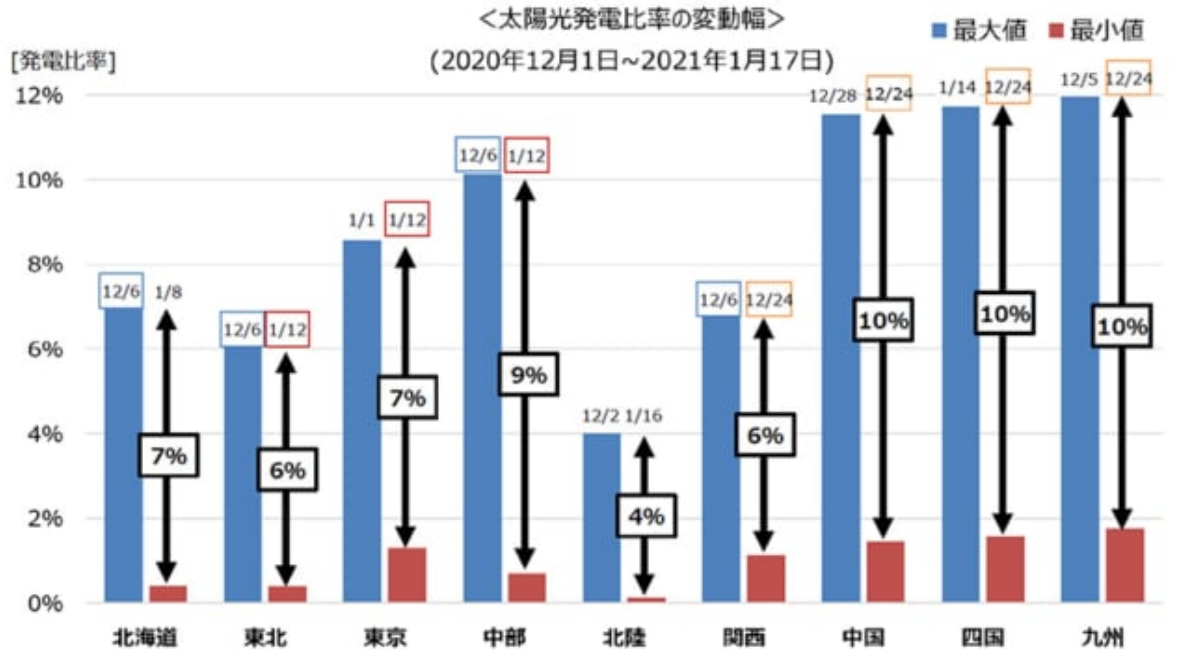
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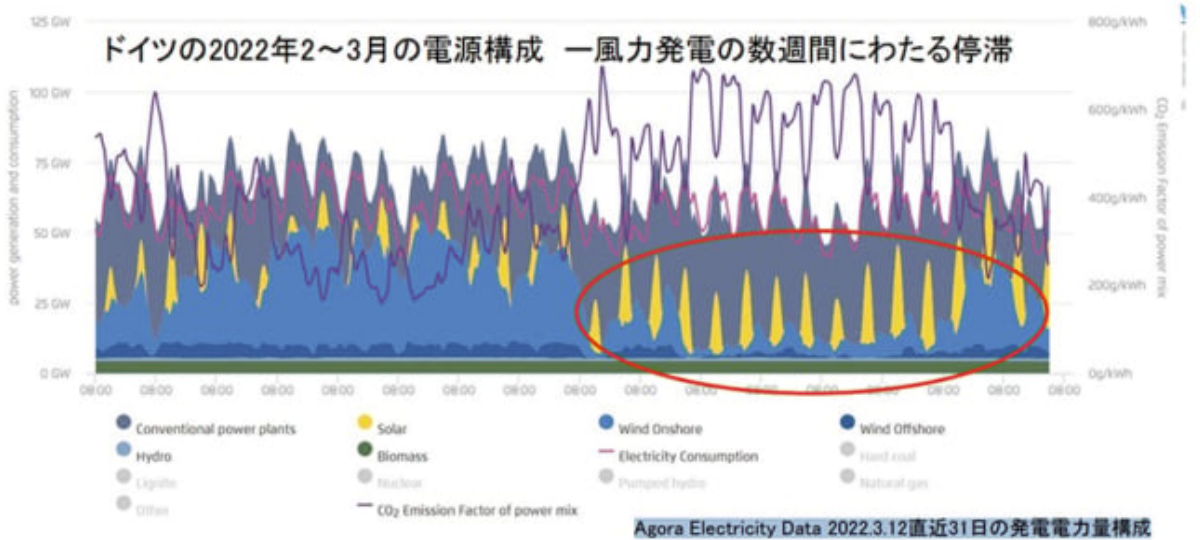
### 【参考】太陽光発電比率の変動幅（2020年12月1日～2021年1月17日）

● 2020年12月1日～2021年1月17日の期間において、発電量全体に占める太陽光の発電量比率の変動幅（最大値と最小値の差）は、各エリアの総発電量の約4%～約10%分となっている。



※事業者ヒアリングに基づき、資源エネルギー庁作成。棒グラフ上に最大値、最小値を記録した日付を記載。12

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?3????????  
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Posted in ??????????, ??? | No Comments »



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?? ??? ?? · Sunday, March 10th, 2024



Muhammet Camdereli/iStock

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32????????????RIARIA????????????????????????5????????????1????????3????????????????????????  
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??14?42??RIARIA????????????????38????????????????????????????1????????????????????????????  
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Wikipedia??

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8????????????36????????????

??61????????????????  
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Posted in ???, ?? | No Comments »

# ?????????1000???2???????????

?? ?? · Sunday, March 10th, 2024



taka4332/iStock

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????? ?????? 2000 ?????? CO2 ?????? ?????? IPCC ????? 1 ????? 0.5 ?????  
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????? 43 ?????? 1.5 ??????

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43 ?????? ?????? 60 ??????

**Q26-3 太陽光パネルの導入効果について③** 60

新制度により住宅への太陽光パネルの導入が増えると、どの程度のCO<sub>2</sub>削減効果がありますか？

**A 26-3** 新制度で義務化される導入分に加え、その波及効果等も合わせると、2030年までに新築・既存含めた都内住宅で新たに100万kWの太陽光パネルが導入されることを想定しています。このCO<sub>2</sub>削減効果は、年間約43万tであり、2030年までに家庭部門で必要な削減量の約5%に相当します。

????????????CO<sub>2</sub>????????????????????????????????????

????1????0.5????

0.5?×43?21.5??1????1????????????????1?÷1??1??

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

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?? ?? · Thursday, March 7th, 2024



ConceptCafe/iStock

????????EV????????????????????????????????EV????????30?EV????????????????????????2023?9??  
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????ESG??ETF????S&P?ESG????????????

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?????2023?1????????????????????????????????????2022?11????????COP27????????????????  
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????????46%??  
 ???2030?2050????????????????????  
 ?????????????????????ESG?SDGs????????????????????????????????????COP27  
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2026??2023????????????????????2023

1011????????2025????????  
2026????????

EV????????ESG???

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202X?XX?XX?

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202X?XX?2050????2030?2013?47%????CO2????

????6????2030?46%????CO2????PPA????

5????6????

2030?CO2?46%????6%????6???

????1????CO2????CO2?????

2022?11????27????COP27????CO2???

EU?2023?9????UCPD????CRD????2026????

2050????2030?47%????2030?2050????CO2????

SDGs????

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????CO2???



1. ????

2015?12??COP21?????2016?11?4????????????8????????????2020?10????????????2050????  
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2. ??????EV?

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fuel????????????

????EV????????????EU????????????EV????????

????????EV????EV????????2?6????????2023?4????????2023????43????  
??EV????????EBIT????47????????EV????72,608????EV1????6  
4,731????

2023????EV?10????750,789??F????????????CFO??  
????????2????????????EV????

**Ford Lost \$4.7B On EVs Last Year, Or About \$65K For Every EV Sold – Climate Change Dispatch**

EV????????SNS????EV????????TV????????  
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EV????????????????????????????????PM????  
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2019????????CO2????EV????10????????CO  
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10????????CO2????CO2????  
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### 3. ?????????

2021????????????????2030????????????????????????????????????LCOE?Levelized cost of electricity??

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

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1. ?????????????????????????????????????
2. ?????????????????????????????????????
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???BP???23????? ?Beyond Petroleum????2020????50????????50GW????????40????????

?????BP????????10??  
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**BP lost \$1b in wind power and just flipped from cutting oil by 40% to increasing it « JoNova (joannenova.com.au)**

???BP????????????11????????10??BP????????????BP????????????  
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### 4. ESG

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



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

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2015??JP????????????????3????????????????????????????????  
?????????ESG??100+??????????????

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

**Climate Action 100+**

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?????68????????????700????????????????????????????????16????????????????????????????????ESG??  
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**5. ????**

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

**????????????????????**

?? ?? · Wednesday, March 6th, 2024



## (参考) 出力制御対策パッケージ (案)

- **出力制御の低減に向けた新たな対策パッケージ**では、
  - **需要面**での対策により、出力制御時間帯の**需要家の行動変容・再エネ利用を促しつつ**、
  - **供給面**での対策により、**再エネが優先的に活用される仕組みを措置**するとともに、
  - **系統増強**等により、**再エネ導入拡大・レジリエンス強化の環境を整備**するなど、**切れ目のない対策を講**じる。
- その際、太陽光等の更なる導入拡大を見据え、**中長期的な観点から、特に需要面の対策に重点**を置き、家庭・産業それぞれの分野で**予算措置と制度的措置を一体的に講**じることにより、**供給に合わせた需要の創出・シフト**を図る。

### 【具体的な対策】

#### 1. 需要面での対策

- ① 需要側のリソースの活用に向けた消費者の行動変容の促進（電気料金メニューの多様化等）
- ② 家庭用蓄電池・ヒートポンプ給湯機の導入を通じた需要の創出・シフト
- ③ 機器のDR Ready化（通信制御機器の設置）
- ④ 電炉等の電力多消費産業におけるDRの推進
- ⑤ 電力の供給構造の変化に合わせた電力多消費産業の立地誘導・需要構造の転換
- ⑥ 系統用：蓄電池、再エネ併設蓄電池、水電解装置の導入を通じた需要の創出・シフト
- ⑦ 事業者用：蓄電池の導入や、事業者所有設備への通信制御機器の設置の支援等

#### 2. 供給面での対策

- ① 再エネ発電設備のオンライン化の更なる推進等
- ② 新設火力発電の最低出力引下げ(50%→30%) 等
- ③ 出力制御時の他エリアでの非調整電源の出力引下げ
- ④ 火力等発電設備の運用高度化
- ⑤ 水力発電を活用した出力制御量の抑制
- ⑥ 電力市場の需給状況に応じた再エネの供給を促すFIP制度の更なる活用促進

#### 3. 系統増強等

- ① 連系統の運用見直し等による域外送電量の拡大
- ② 地域間連系統線の更なる増強による域外送電量の拡大

#### 4. 電力市場構造における対応（中長期的な検討課題）

- ◆ 価格メカニズムを通じた供給・需要の調整・誘導

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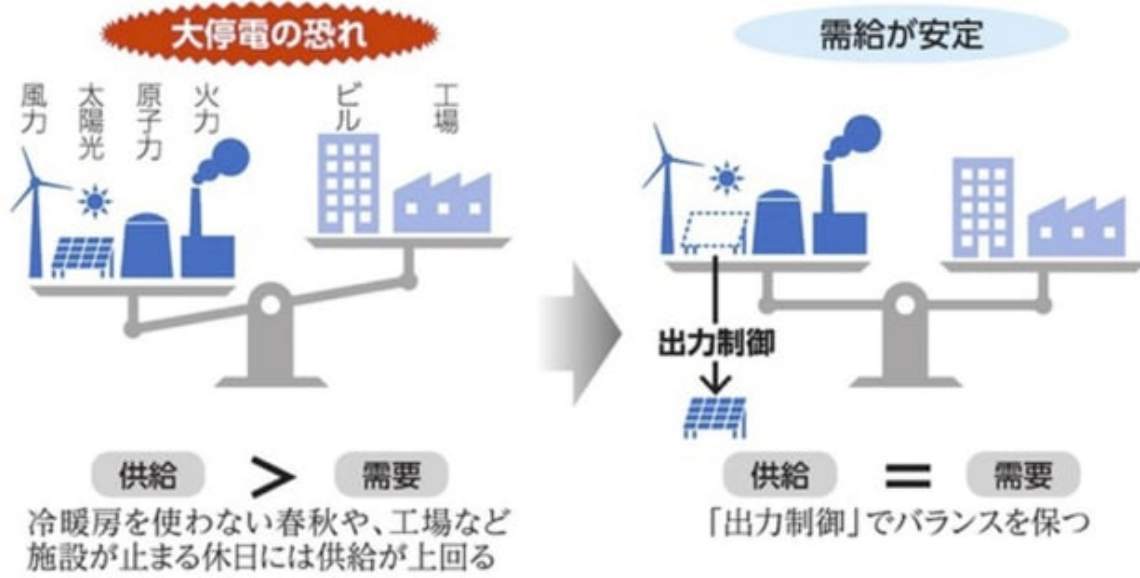
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### 電力は需要と供給のバランスが大切

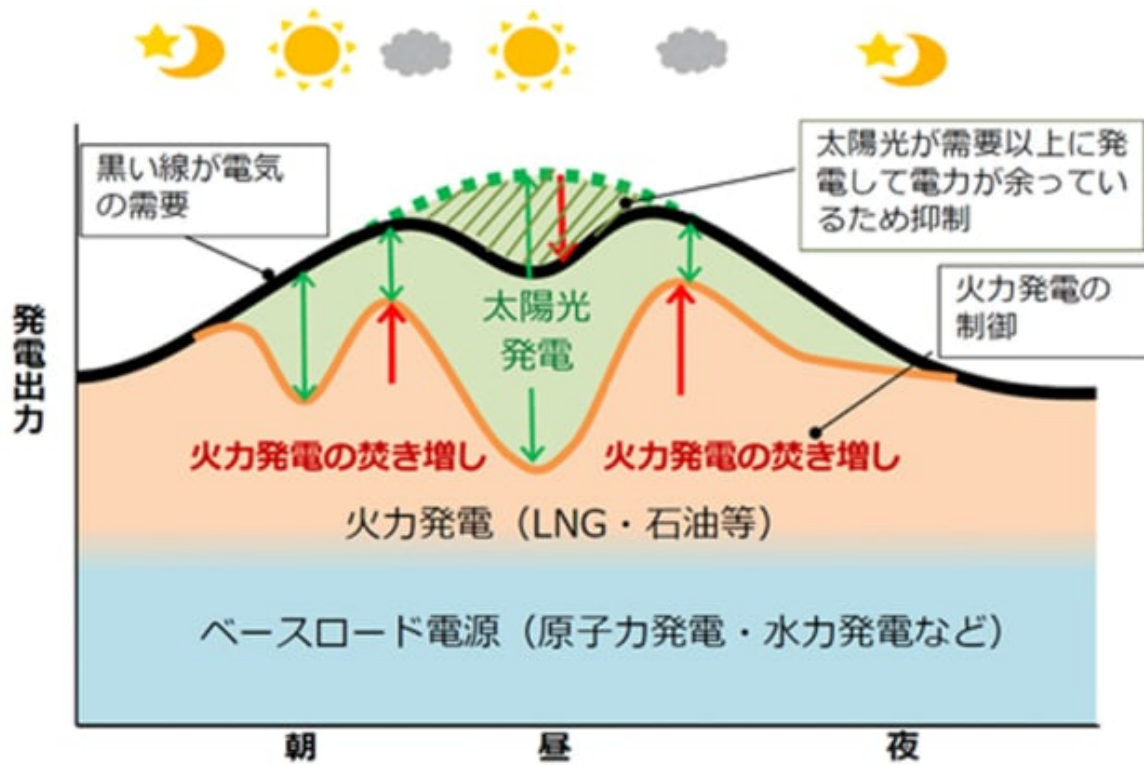


電力は需要と供給のバランスが大切

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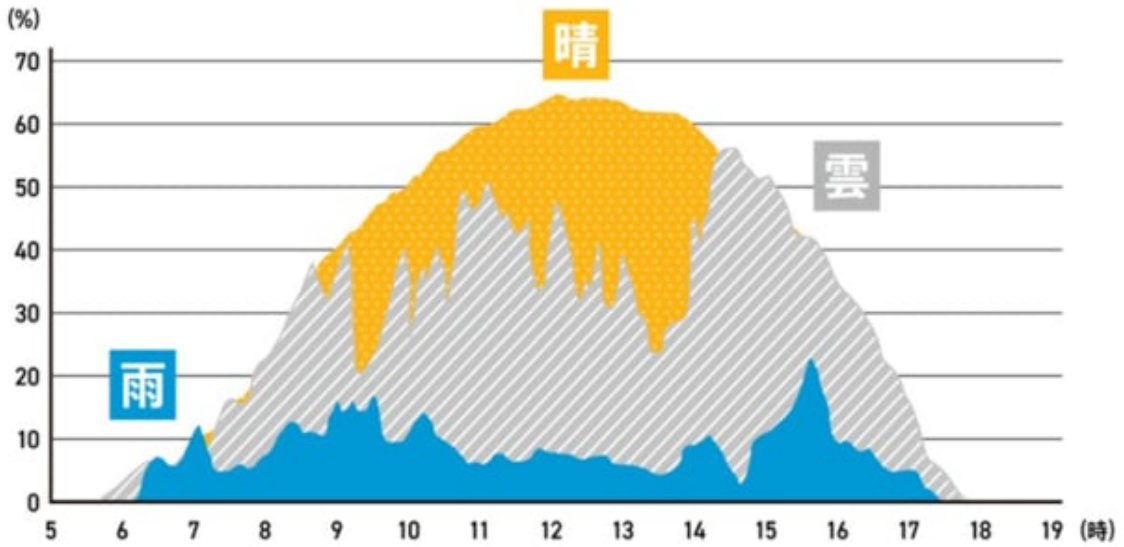


?3????????????

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出力比 (発電出力/定格出力)



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  - ①火力(石油、ガス、石炭)の出力制御、揚水・蓄電池の活用
  - ②他地域への送電 (連系線)
  - ③バイオマスの出力制御
  - ④太陽光、風力の出力制御
  - ⑤長期固定電源※ (水力、原子力、地熱) の出力制御

※出力制御が技術的に困難

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??7ene@proton.me????????????????

**8. ????????????????**

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**10. CO2 ????????????????????????**

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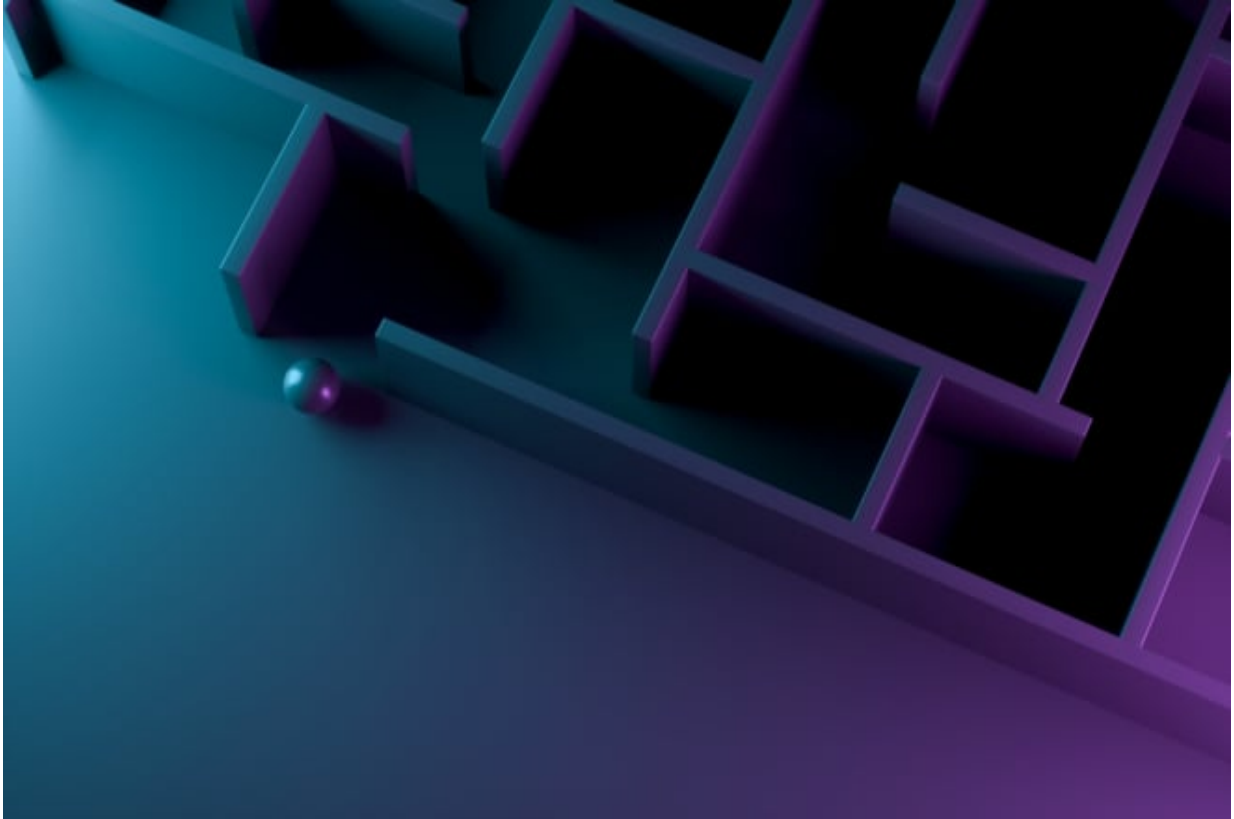
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Posted in ????????????, ??? | No Comments »

1.5?????????????????????????????????????

?? ? · Saturday, March 2nd, 2024



akinbostanci/iStock

COP28????????????????????1.5????????????????????????????????????1.5????2050  
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**The Death of the 1.5 Degree Climate Target??????????1?8??????????????**  
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COP??  
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COP28??2050????????3????????????20????????????  
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Posted in [???????????, ???, ?????](#) | [No Comments »](#)

**????????????????EV??????????**

?? ?? · Friday, March 1st, 2024



Lari Bat/iStock

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???7ene@proton.me????????????????

**4. ????????????????**

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**5. ???EV????????????????**

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

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?? ?? · Thursday, February 29th, 2024



yipengge/iStock

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— ?????????? (@kahoku\_shimpo) January 27, 2024

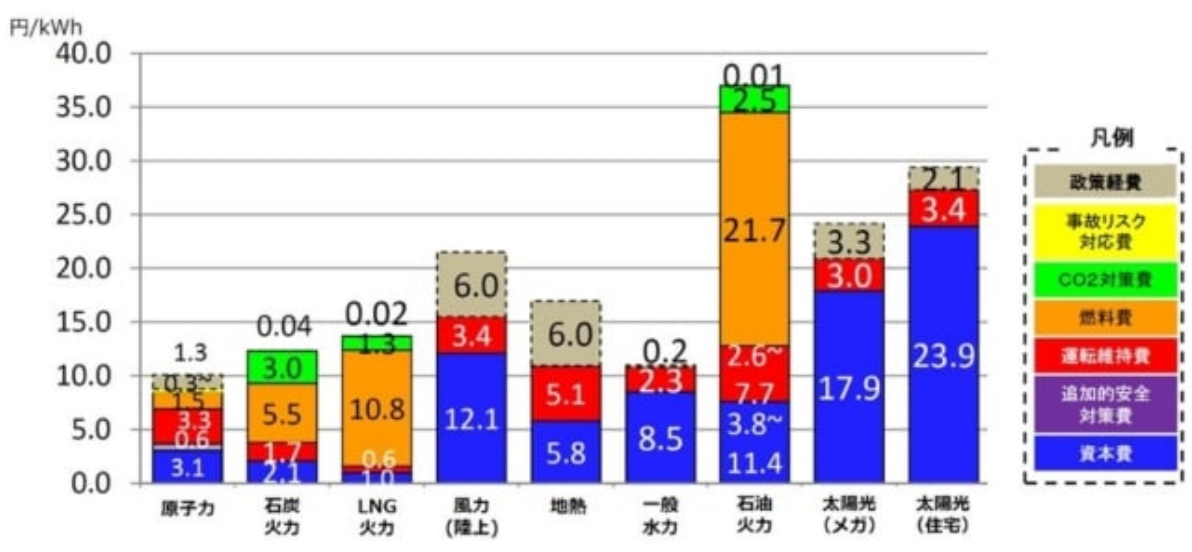
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1. ????A????????????????????1,617????????????
2. ?5????????????B????????372????
3. ?A??B??4????????260kWh????????140????????611????
4. ?????????????140????611????????

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??A????????1??3????1,352????265????

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Posted in [unclear], [unclear] | No Comments »

[unclear]

[unclear] - Tuesday, February 27th, 2024



XtockImages/iStock

[unclear] 7[unclear]150[unclear]

[unclear]

[unclear]ene@proton.me[unclear]

I. [unclear]

2024[unclear]7[unclear]6[unclear]2021[unclear]10[unclear]??  
3E+S[unclear] CO2 [unclear]E[unclear]

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**II. ????**

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

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?? ?? · Saturday, February 17th, 2024



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Climate change is “the single-most existential threat to humanity we’ve ever faced, including nuclear weapons.” ?Whitehouse.gov, January 31, 2023?

“If we don’t keep [global temperature] below 1.5 degrees Celsius over the — be — not go above that — we’re going to damn our children to a circumstance that is going to be the only truly existential threat under nu- — other than nuclear war.” ?Whitehouse.gov, March 14, 2023?

“The only existential threat humanity faces even more frightening than a — than a nuclear war is global warming going above 1.5 degrees in the next 20 — 10 years.” ?Whitehouse.gov, September 10, 2023?

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Posted in ???, ????? | No Comments »

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?? ?? · Monday, February 12th, 2024



Alberto Masnovo/iStock

????2023??2025??4??????1???????

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1. ???
2. ?????????????????????????????
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6. ??CO2??IPCC??????????1????CO2??????0.5????????????????  
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7. ??????6??????????????????????1970??

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?? ?? · Friday, February 9th, 2024



Agenda47: President Trump on Making America Energy Independent Again

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?? ?? · Thursday, February 8th, 2024

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

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?? ?? · Wednesday, February 7th, 2024

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

CO2??

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baileystock/iStock

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?????????Voters???1????????????????????3??

???1????????????????????15????????????????????????????1?????????1????????????????

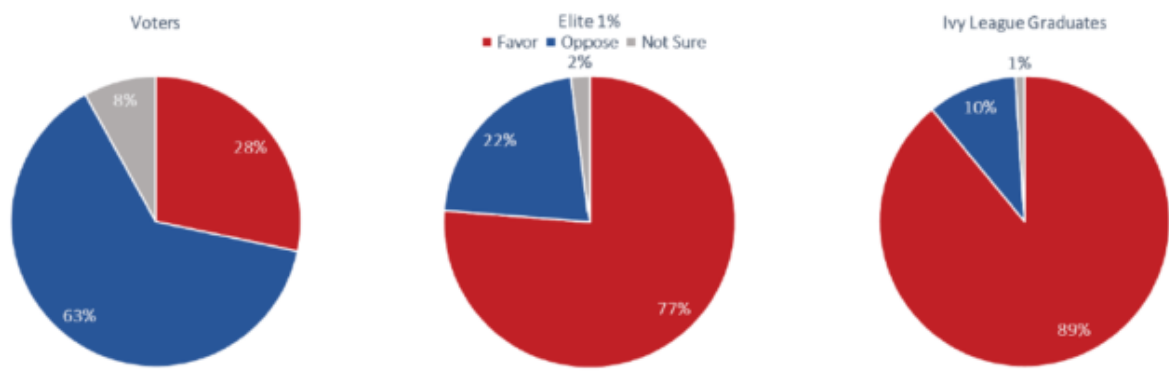
????????????????1??

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

**1.??**

?????63%????????????????77????????????????89%???

To fight climate change, would you favor or oppose the strict rationing of gas, meat, and electricity?



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

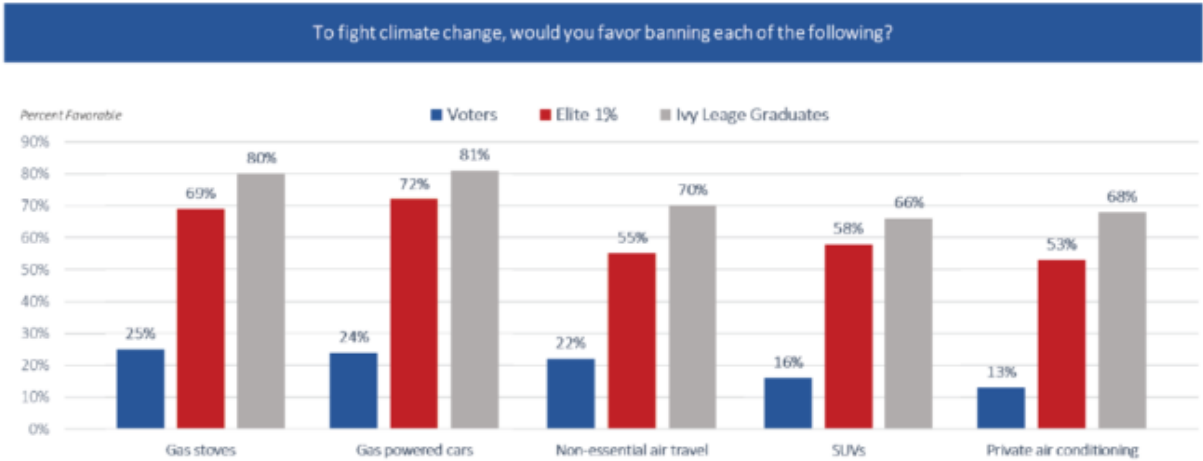
?????72??100??????????70??500?????

How much would you personally be willing to pay each year in terms of taxes and higher costs to reduce climate change?



**3.????????????????????????**

????????????????????SUV????????????????????????????13??25????????????????53??  
72????????????????????66??81????????????



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??CO2??  
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Posted in ???, ????? | No Comments »

# CO2??

?? ?? · Monday, February 5th, 2024



Sakorn Sukkasemsakorn/iStock

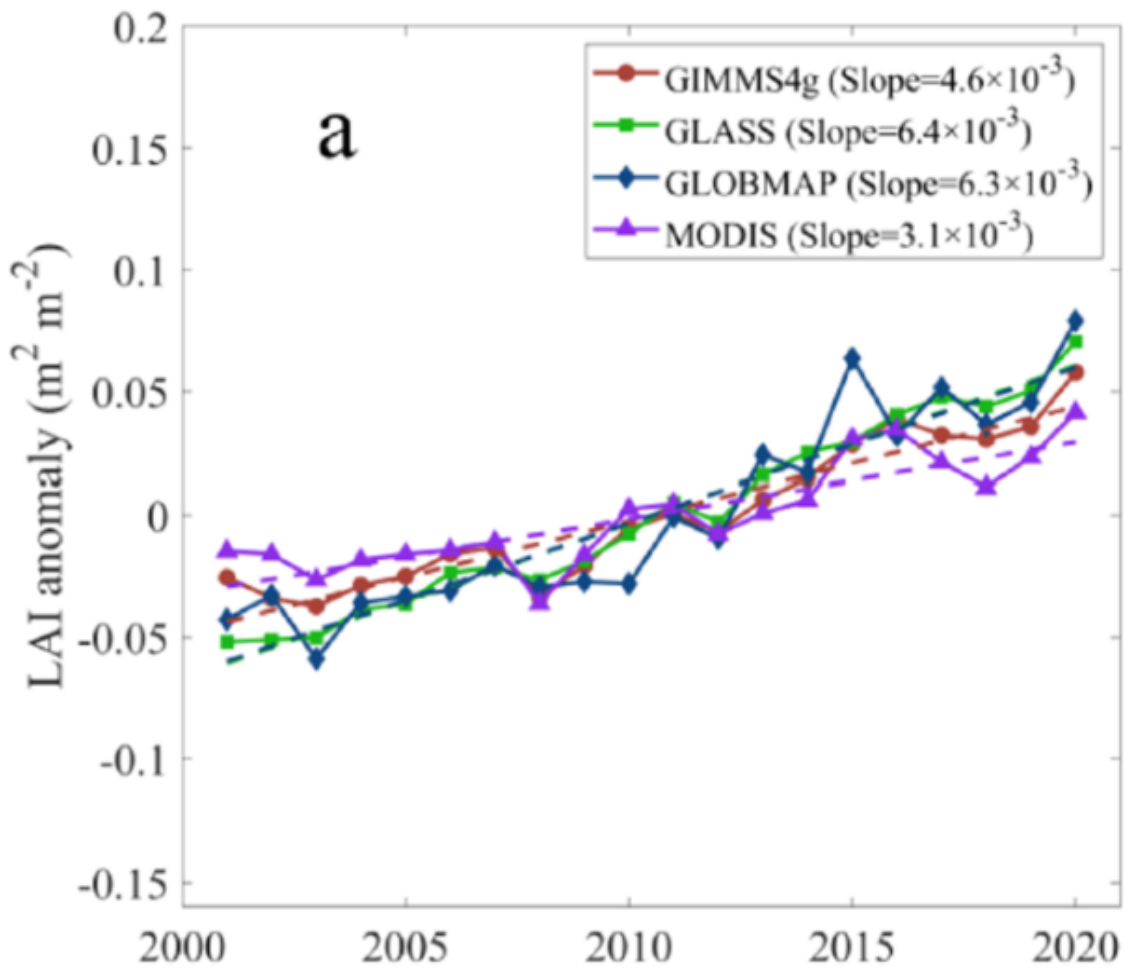
CO2??global  
greening)??

???2000??2020????????????????Leaf Area Index, LAI??????

LAI??????1??3????1??????????1????????????????????  
??1??

????????LAI?20??0.1????????????????????1????????????????0.1????????????????????????????

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?1?LAI???

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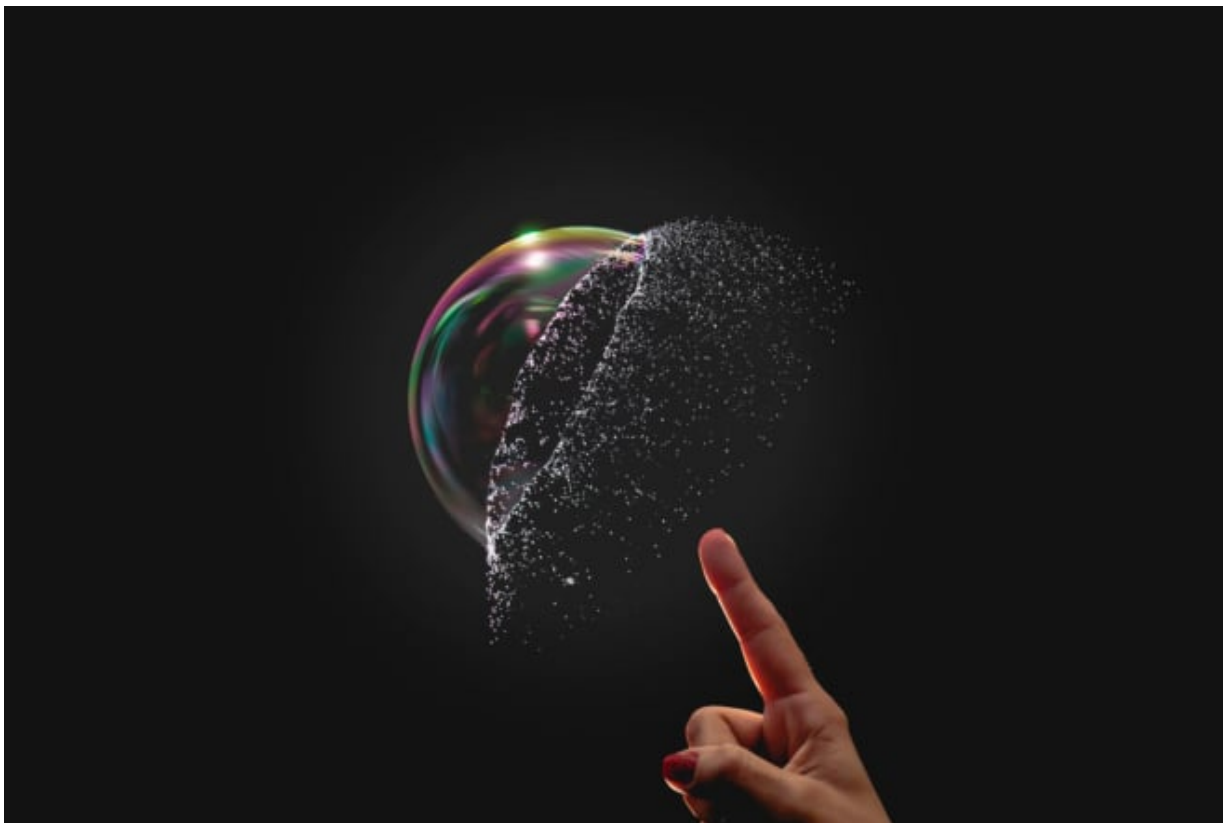
CO2?????Srad?????P???????Soil Moisture, SM?????Airt??5??????????????2??

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



# ????ESG???

?? ?? · Sunday, February 4th, 2024



Adrian Los/iStock

## ????ESG?????NISA?????

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## ESG??????????2020??????????

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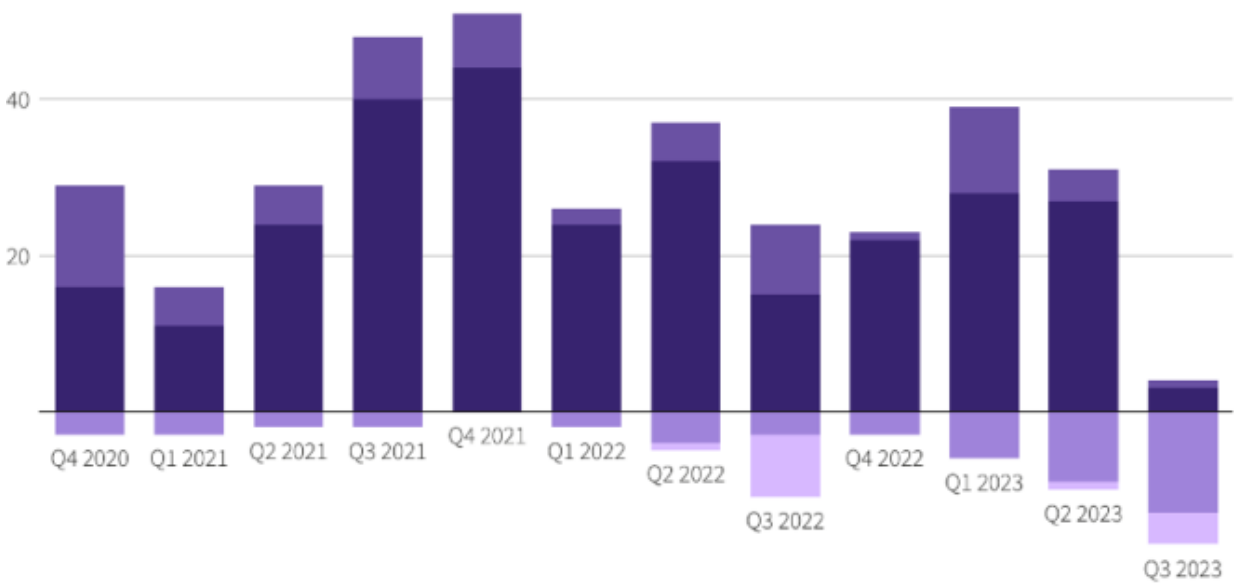
????????????13??????????????????????????3??????

??4?????????????????????0.02????????  
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# Sustainable fund launches plummet

Asset managers closed sustainable funds faster than they opened new ones in the third quarter

● Launches ● Funds moved into sustainable category ● Closures ● Funds dropping sustainability mandates



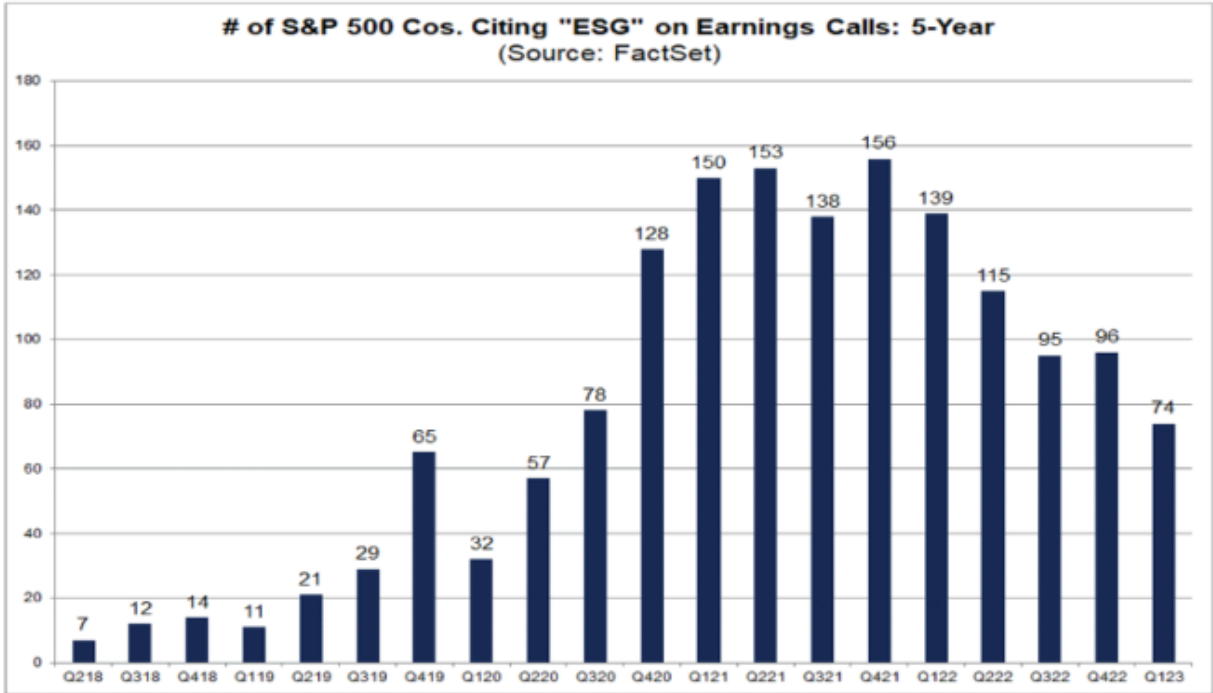
Source: Morningstar Manager Research

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## ??????ESG??????S&P500??????2020??2???????



??????ESG????????????????74??????S&P500????????????????ESG????????????2020  
 ??2????57????????????2021??4????156????????????????ESG??????S&P500?????5?  
 ?????4????????????????2022??4????????????2023??1????????????ESG?????S&P50  
 0????23%?????



FACTSET

2018-2023

Q218-Q123

ESG



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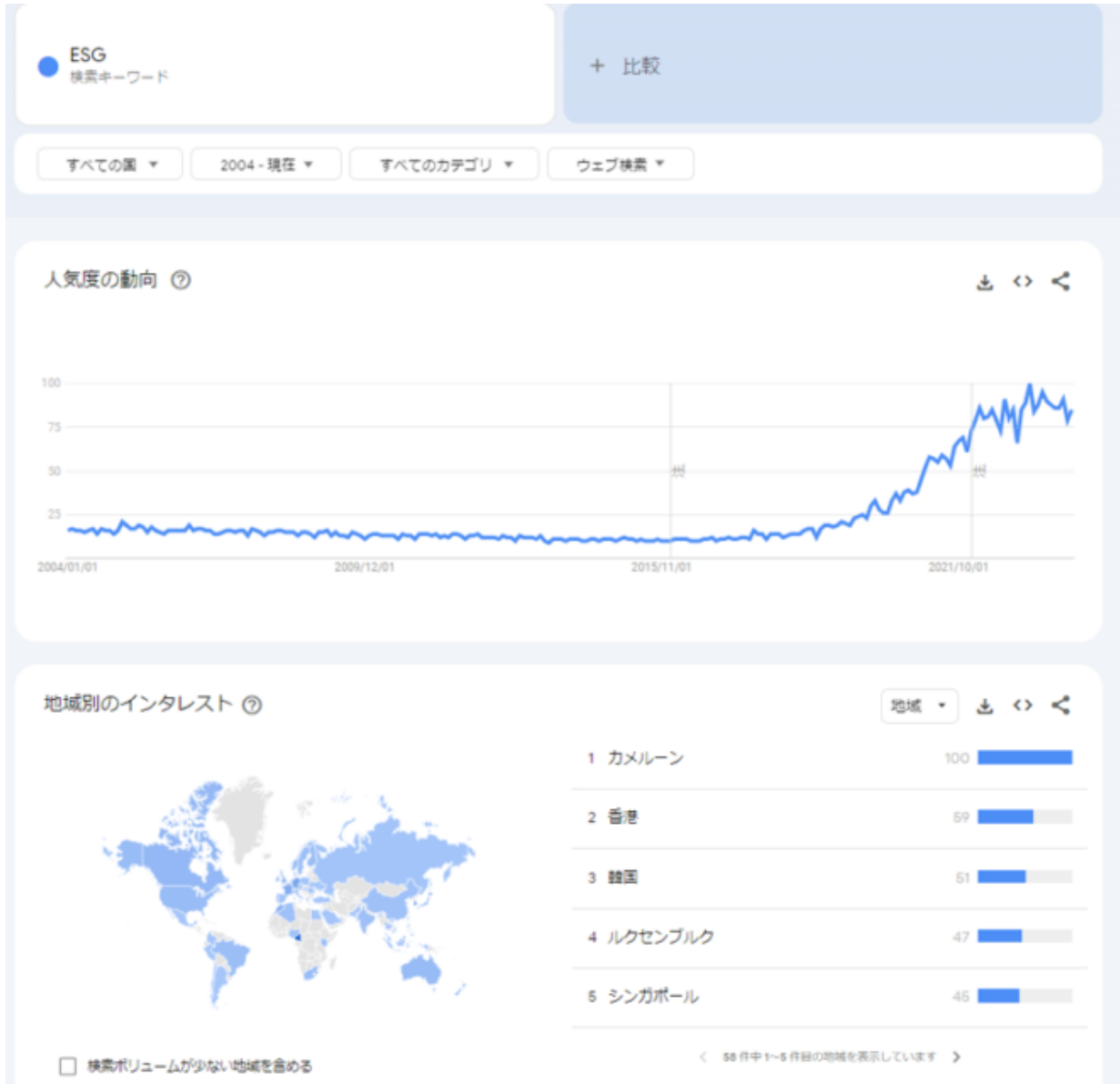
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**2023??ESG????????**

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fuel?”??COP????????????????????  
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??“**transition away from fossil  
fuels**”??  
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**COP28????????**

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?1?EurActiv, January 16, 2024

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