







??  
 ???

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

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

??Bauer????????????????????????????  
 ???

??  
 ???

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

????EU????????????????EU????24?2????????????????????????????????????EU????????????????????  
 ???EU????????????????????????????  
 ?”????????????????EU????????????????????

3?28??  
 ???

??  
 ???

????23?12????????????????????????????????????EU??  
 ?????????????EU??





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

- ??????????????????
- ?????????????ANWR????????????NPR-A????
- ?????????????????????????????
- ?????????????????????????????????
- ?????????????
- ?????????????????????????????
- ?????????????

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

- ?????????????????????????????
- ?????????????????

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

- ?????????????????????????????????????
- ?????????????????
- ?????????????????????????????????

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

- ?????????????????????????????CAA????????CWA????????NEPA????????????EP  
CA????????????
- ?????????????????????????????????????
- ?????????USMCA????????????????????????????????

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

- ?????????????UNFCCC?IEA?IREN????????????????????
- ?????????30????????LNG????????
- ?????????FTA????????FTA????????????????
- ?????????????????????????????????
- ?????????????????????????????
- ???75????
- ?????????????????????

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

1. ?????????????
2. ?????????????
3. ?????????????????????????
4. ?????????
5. ?????????????????????????
6. ?????????????????????IEA?IRENA????

???

????????????????????????????????????Day1????????????????????LNG????????????

????????3700????????IRA????????  
????????IRA????????  
????????

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

????????JUSEP????????LNG??CCUS????????

????G7????

????Day????????1.5????

????

????46??2050????

????NDC  
(Nationally Determined  
Contribution)????

????

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

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

?? ?? · Saturday, March 30th, 2024



Zbynek Pospisil/iStock

????GX????????????????????GX??  
????????????????

????/????????????????

????????????????????????????????????Net zero????Net????????????????????????????????????

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

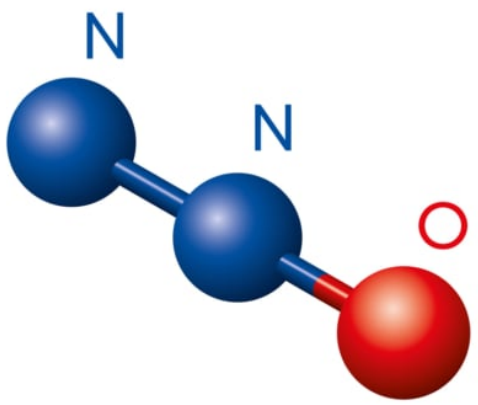
????????????????????????CO<sub>2</sub>????????????????????CH<sub>4</sub>????????

????????????????????????EV??  
????????????









????????????????????????????????NO<sub>x</sub>????????????????????  
 ?????????????????

????????????????????????????????????300????????????????  
 1750????????????????????270ppb????????????????2022?????  
 ?????????335.8ppb?0.3358ppm??????

2021????2022????????????1.4ppb?0.0014ppm????????  
 ??????????2.2ppm?????

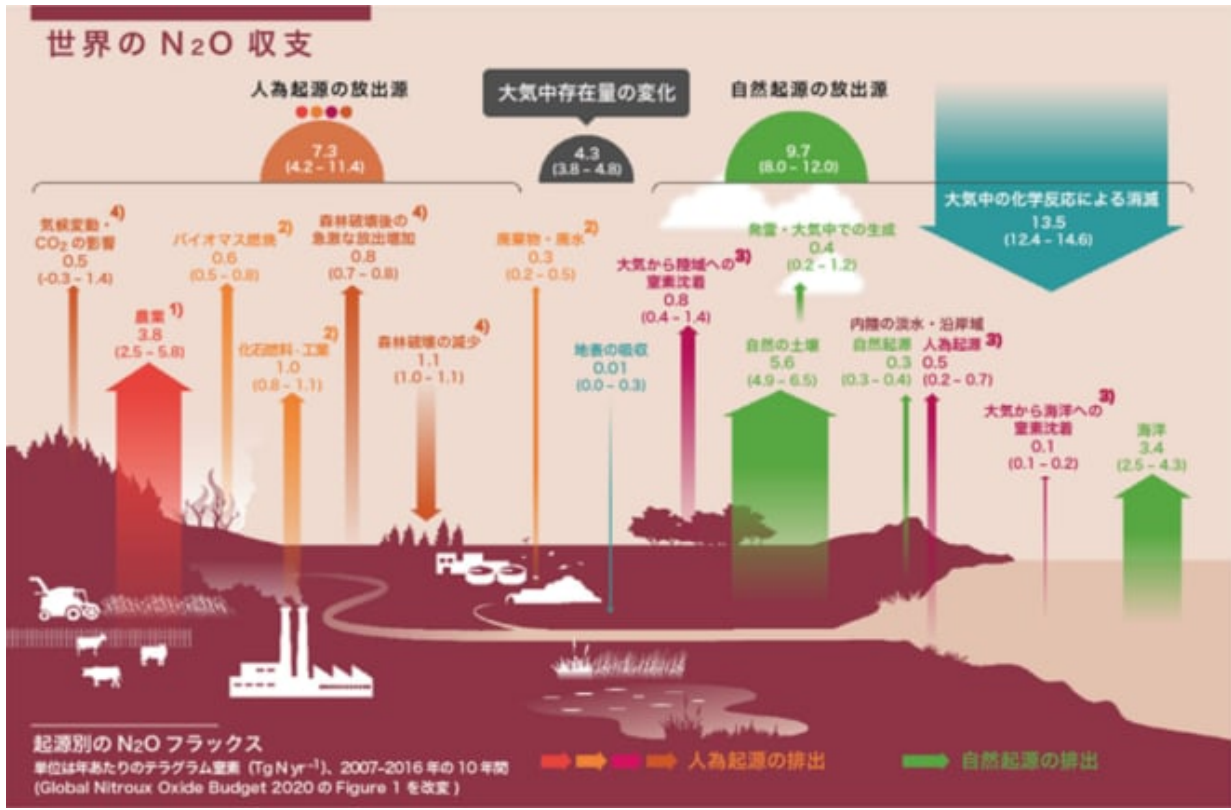
??  
 ?

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

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

??  
 ???

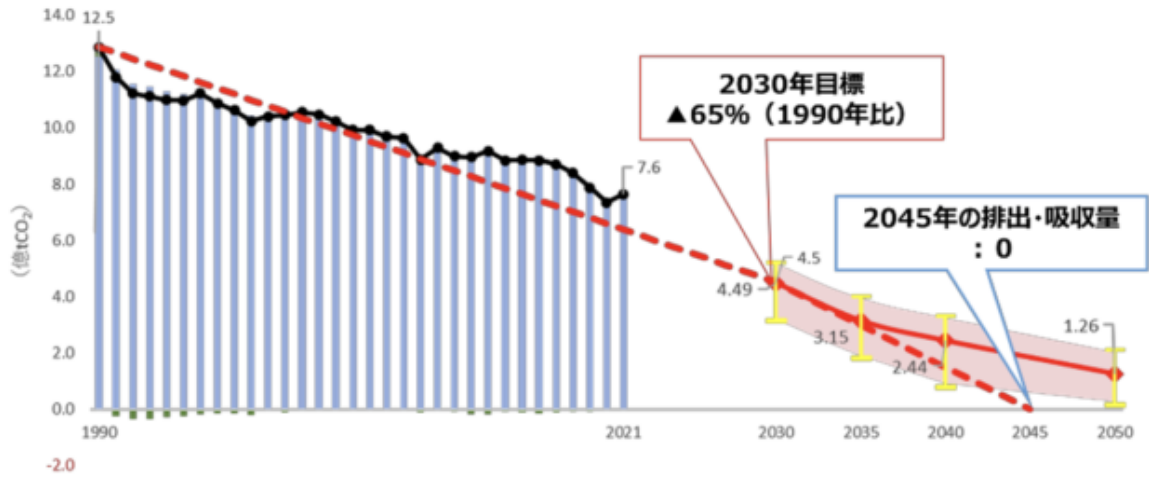
????????????????????  
 PeterHermesFurian/iStock



©?????????

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





????????????????  
 ???COP28????GX?????9?????????2023?11?28??

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

????????????????????????????????  
 ?????????????????????EV??  
 ???

IMF?????????2024?1????<sup>22</sup>?????2023?????GDP?????????????????0.3%????????????????????  
 ??????GDP?????????????????2.5%?????0.8%??1.9%?????0.5%??1.1%??G7????????????????  
 ??????

23?4???2.2%?????4????????????????<sup>23</sup>????????????????  
 ?????????????????????

????????????????????????????????23?????????3540?????????4????????????????2018?????????4240????  
 ???16.5%??700????????????????????1?????CO2?????2????????????????CO2?????????1400????  
 ??????????2???????

??BASF????????????????????????????  
 ???2600????????????????  
 ??????????????????100????????????????????????????

????????????????????????????2018??2023??5????10%????????????????????????????????20%????????<sup>24</sup>??  
 ?????????????????????????????

??  
 ??????LNG??

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

??G



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

?? ?? · Thursday, March 28th, 2024



metamorworks/iStock

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

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

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

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







??

??

??

???

??????

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

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

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

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

# ????????NOx????????????????????????

?? ?? · Wednesday, March 27th, 2024



MicroStockHub/iStock

2023?10??J-??J-??

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



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

????NOx????????????????NOx????????????????????NOx????????????????????NOx?????????  
????NOx????????????????NOx????????????????????NOx????????????????????NOx????...?  
????

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

??

????????????????GX??CO2????????????????????  
????CO2????????????????????????CO2????????????????????“????????????????

?



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

?????

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

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

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

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

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

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

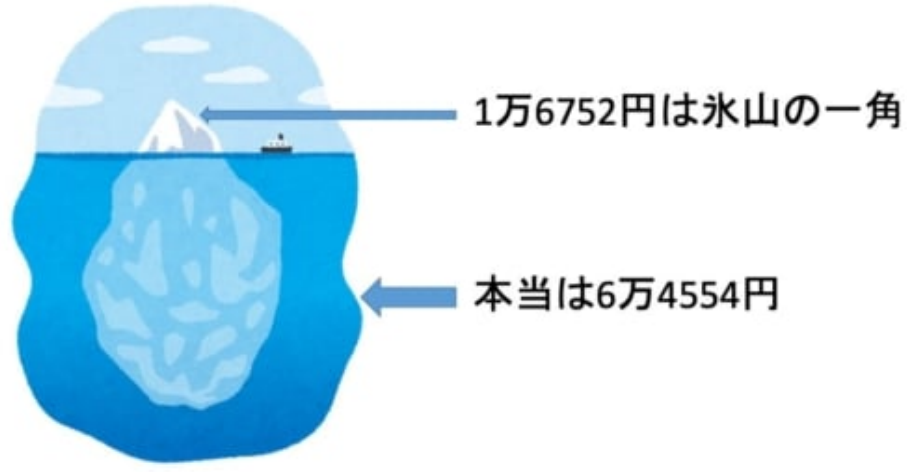
????????????????

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

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



????????????????????3?????????1?????????12??5?????????  
????



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

?



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

????????????????????????????????  
?? ?? · Friday, March 22nd, 2024



Cristian Storto Fotografia/iStock

2024?3?18??J-  
??

J-  
??  
??

???

?6??14????????????????????????1,113????????????????????1,036?CO2????????  
??

???

??  
??5????????????????????0.02??  
????????????????

???

??

??2MWh????????????????2.  
2MWh????????



??2MWh????????????????????  
 2.2MWh????????????????????????????????

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

???

??

??%??  
 ?????????????????????????

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

??GX??  
 ?????????????????????????????

2022?11????????????????????????????27????(COP27)??  
 ?



??

??

??CO2??  
 ???  
 ??REDD+????????????????????????????????????



??

??



???????? “?” “??

???

????2018??15  
 0????????????????????????????????

???

????????WFP??  
 ???

??????2024????????????????2030?????1/3????????????



????5????????UK?ETS????????????????????????????????12.4????????2  
050????????????????????????????????

????7,900????????????????????6,900????27??4,400??30??2,400?????  
???

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

??2026??EU??



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

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

??2023?10????????????????



?????????REDD+?J-  
????????????????????????????CO2????????????????

?????J-??

??  
??

?



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

# ????????????????????

?? ?? · Wednesday, March 20th, 2024



Jay\_Zynism/iStock

????????????????3??1??29.2????????????????5????????380????????48.7% ???2????????NGO?????  
 ?????????????????????

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

????????????????????????????1????????????????????5????????????????????????????????  
 ???????

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

???5????WMO????????????????5????????4????????????2????????3?1????????????????????????????  
 ?????????????1????2????????????13.7??52????????







????????2005????????????????????

????????WMO????????????????????Google Earth????????????????

?



Posted in ???, ????? | No Comments »

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

?? ?? · Wednesday, March 20th, 2024









??????

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

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

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

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

?? ?? · Tuesday, March 19th, 2024



JohnPitcher/iStock

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





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

?? ?? · Monday, March 18th, 2024



Niklas Flindt/iStock

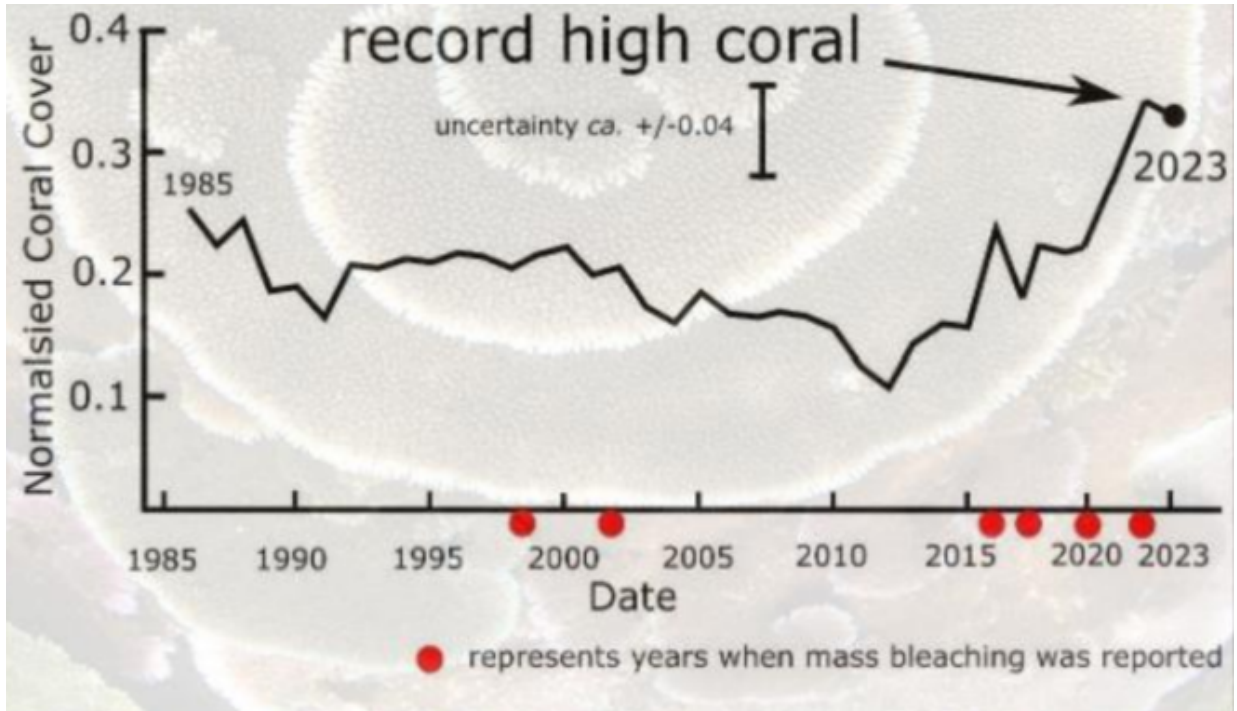
????????????AEF???"????????????????????2024?State of the Great Barrier Reef 2024  
?"????????????????????

??



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

????????????????????????3,000??  
??????????



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

2023????????????????????

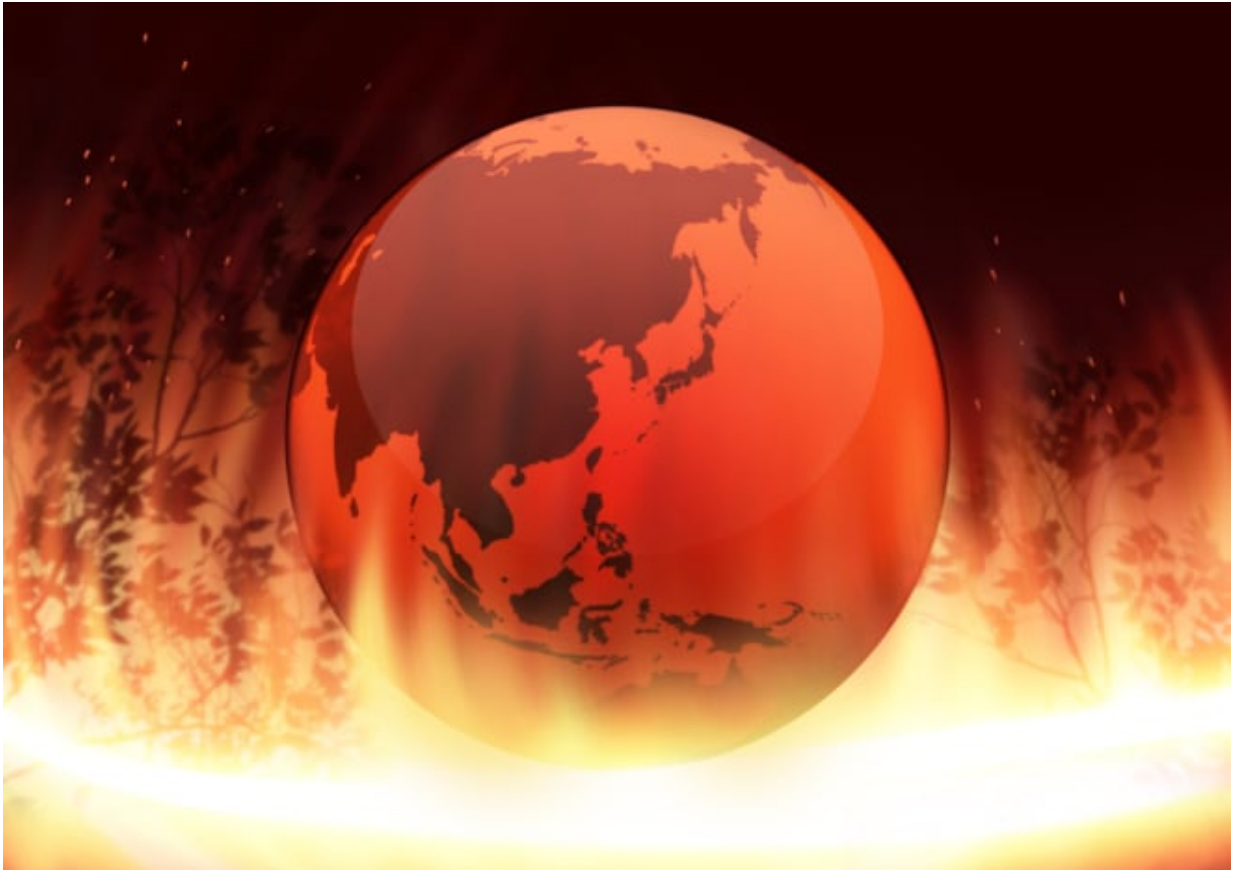
?



Posted in ???, ????? | No Comments »

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

?? ?? · Tuesday, March 12th, 2024



Tr6/iStock

??



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

— Kenji Shiraishi (@Knjshiraishi) March 8, 2024

??IPCC?6????????????????????????????????????2????????????????  
????????????????????????????????

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

??  
?????????????????(UHI)?????1??

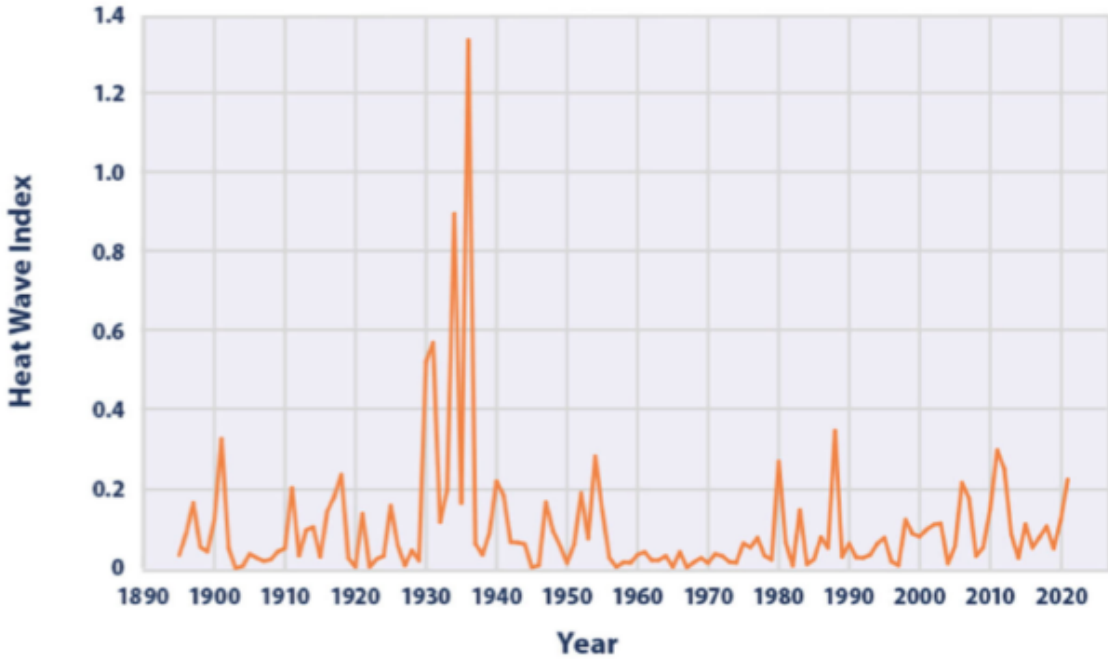




??????????

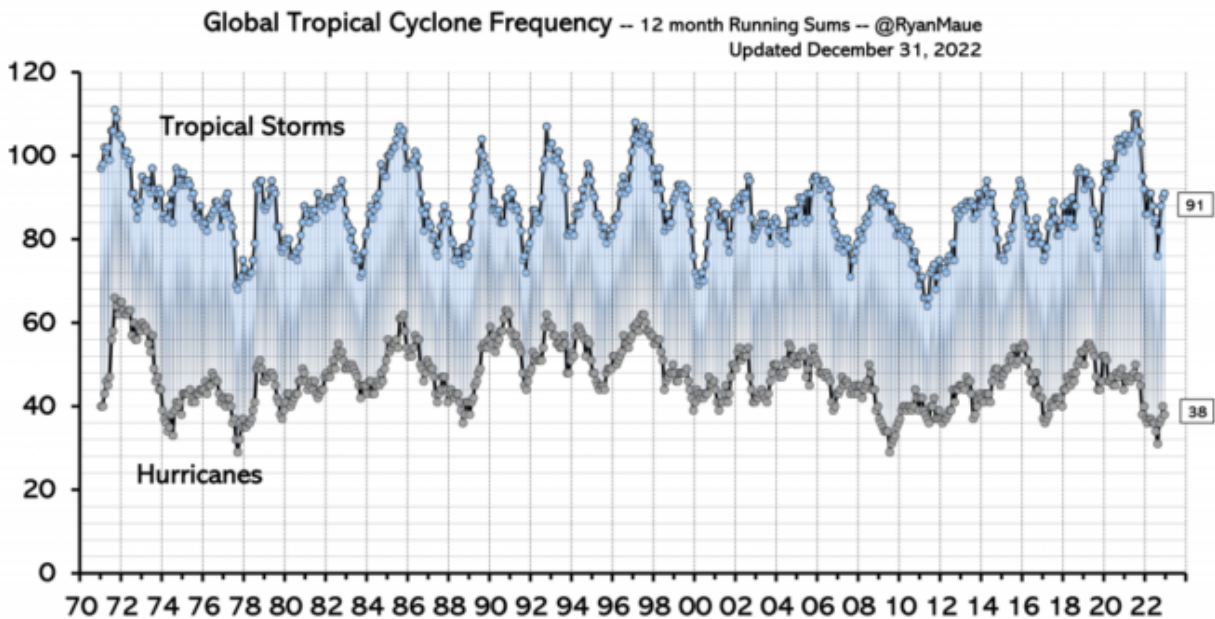
????????????????????????????????IPCC????????????????????????????IPCC????????????????????????????  
????????????????????

??1????????????????1930????????????????  
????????????????????



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

????????????????????????????????4????????????????  
????????????????????????????????1900????????????????????????1970????????????????????



?4????????????(Burn & Palmer)

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

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

??????????100????????????????????UHI??  
????????????????????????

Posted in ???, ????? | No Comments »

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

?? ?? · Monday, March 11th, 2024



gorodenkoff/iStock

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

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

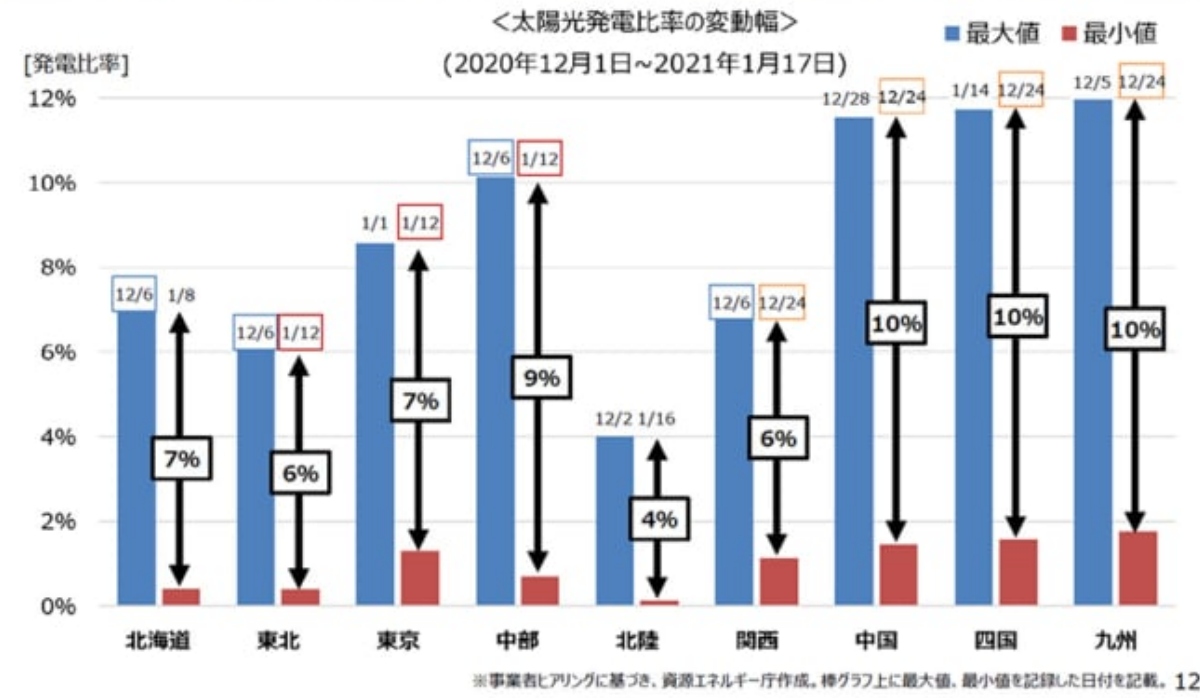
??  
??



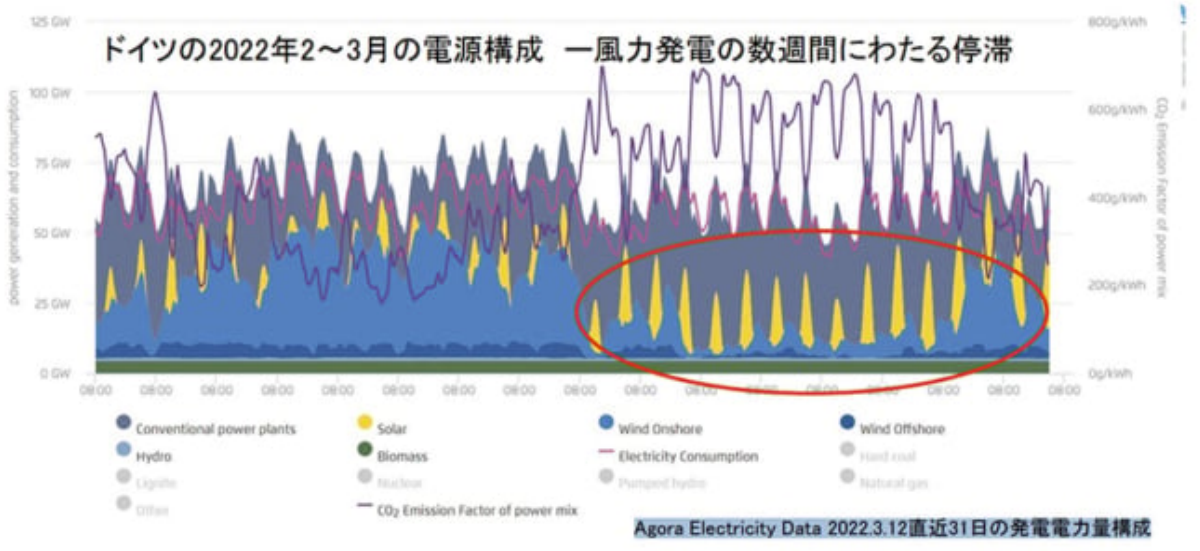


### 【参考】太陽光発電比率の変動幅（2020年12月1日～2021年1月17日）

● 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。



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



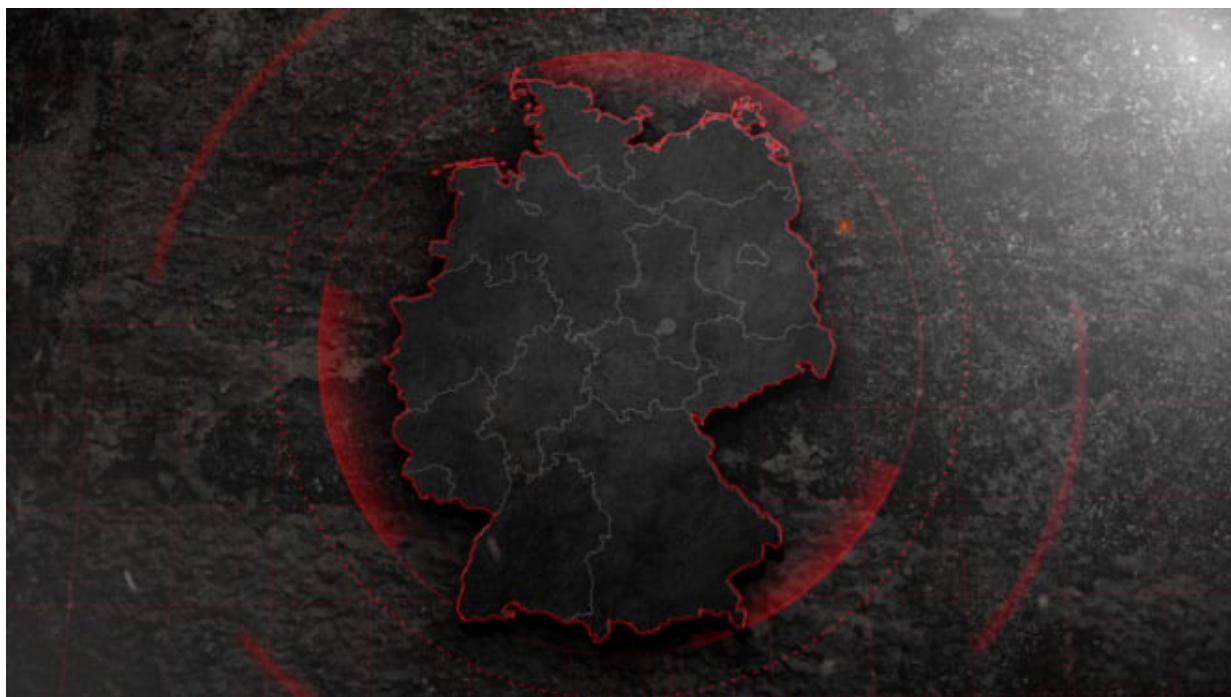
?3?????????  
????????

????????

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

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

?? ??? ?? - Sunday, March 10th, 2024



Muhammet Camdereli/iStock

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

32????????????RI????????????5????????1????3????????  
??

??14?42??RI????????38????????1????????  
????????????8????????????

????2?19????????WebEx????????  
????????4????????????

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

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



????????????????  
????????????????  
????????????????  
500km?????

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

2006????????????????????

??

Wikipedia??

????CDU????????????????????  
????????????????????????????  
??????

CDU??  
??  
????????????

????????????????2??22????????????  
????????????????????????????CDU????????????????????????????????  
????????????????????????????CDU????????????????????

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

????????????????2019????????????????????????“?”????????????????  
??  
??

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

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

??  
??  
??

??CDU??

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

??  
??  
?????NATO????????????????????????????????  
????????????????????????????NATO????????????????

??

????????????????????Forsa????????????????72????????????????4  
8????????????36????????????

????????????????????????????????????61????????????????  
????????????????????????????

Posted in ???, ?? | No Comments »

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

?? ?? · Sunday, March 10th, 2024



taka4332/iStock

??



????????????2000????????CO2????????????????????IPCC????1????0.5????  
????????

??????43????????????1.5????????????

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

????????????????43??????

??

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

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

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CO2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CO2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。

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

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

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

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

0.000000215?

???

???2000?????????????0.000000215??????1????2???????

??

????????50????????????????????????????????????200??

?



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

??

?? ?? · Thursday, March 7th, 2024



ConceptCafe/iStock

????????EV????????????????????????????????????EV????????30?EV????????????????????????2023?9??  
?????EV??5????????????????

??  
???

????ESG????????????????????????????????????ETF????S&P?ESG????????????

????JP??  
????????????????????????????????????

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

?????2023?1????????????????????????????????????2022?11????????COP27????????????????????  
??

????????46%??  
 ???2030?2050????????????????????  
 ?????????????????????ESG?SDGs????????????????????????????????????COP27  
 ?????????????????????????

????2023?10????????????2026??

2026??2023????????????????????2023

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

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

????????

202X?XX?XX?

????????

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????

????

????

????CO2???





1. ????

2015?12??COP21?????2016?11?4????????????8????????????2020?10????????????2050????  
????????????????2035????????????EV????????????

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

???????

??2????????1.5????????

???????

????????????????????????????????CO2????????????????????????CO2????????????????  
????CO2????????????????????????CCS????????????????????????????????CO2  
????????????CO2????????

???????

????????????EV????????????????????????????????

2. ??????EV?

????????????????2035????????????????????????EV????????????

????????????EV????????????????????????EU????????????2035????????????e-  
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????????  
????????????EV????  
???

EV????????????????????????????????PM????  
???

2019????????CO2????EV????10????????CO  
2????????CO2????

10????????CO2????CO2????  
????





??  
????????????????SDGs??2015?????  
????????ESG???????????

????????

?????ESG??

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

??3????????????????1?????  
?????????????????ESG???????????????????????

**Climate Action 100+**

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

?????68????????????700????????????????????????????????16????????????????????????????????ESG??  
???????????????????????????

**5. ????**

??EV????????????????????????????????  
?????

?????????????????ESG??CO2?????ESG?????????  
???????????????????????????????????

??EU??  
???

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

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

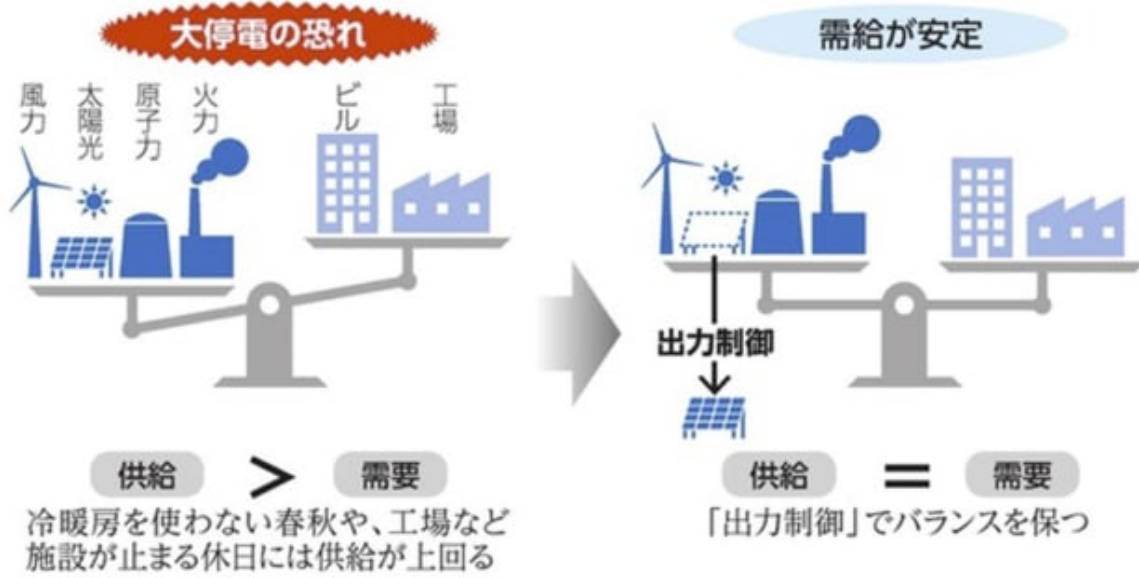
?? ?? · Wednesday, March 6th, 2024







### 電力は需要と供給のバランスが大切

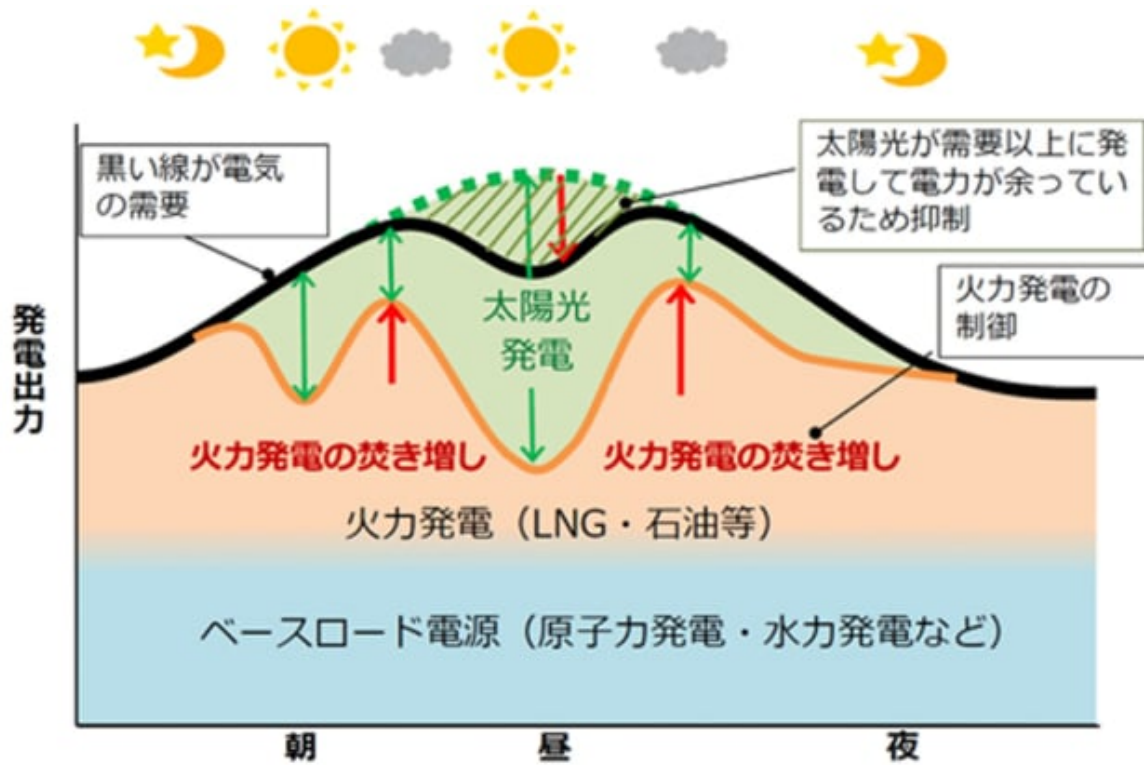


電力は需要と供給のバランスが大切

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

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

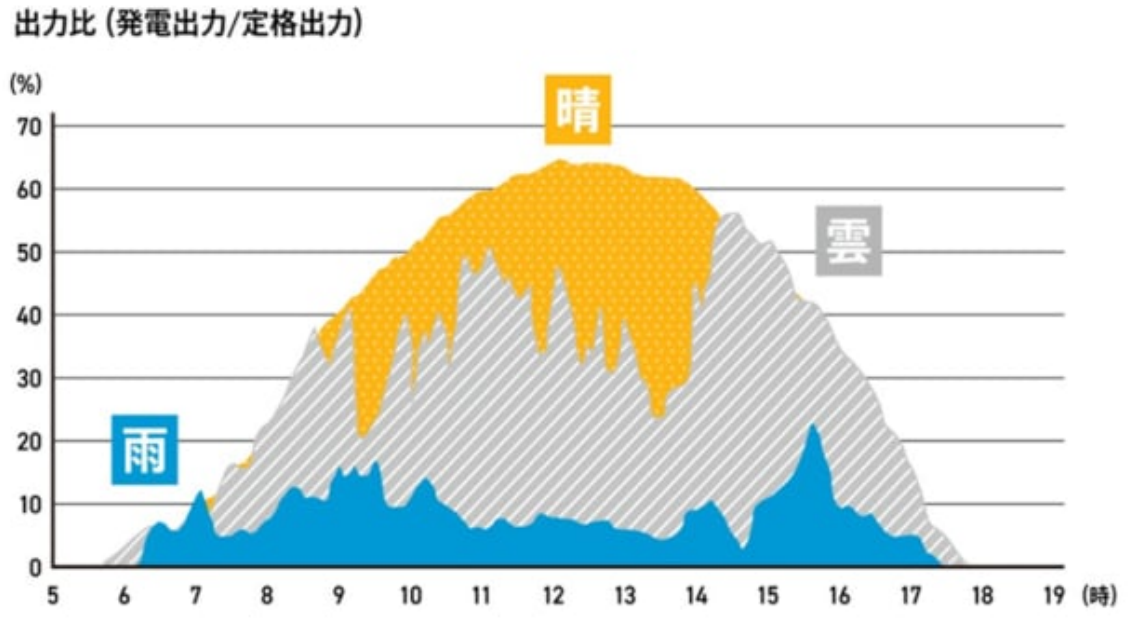
??



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

??????????

??



?4????????????????  
??????EP

??

- 
- 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

?5????????



??

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

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

??  
??

??  
??

????????????????????2011??  
???????

**9. ????????????????????????**

??  
??

??  
???????

- ?????????????????????????????????
- ?????????????????????????????????
- ?????????????????????????????????

??  
??

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

???

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

??  
??  
??

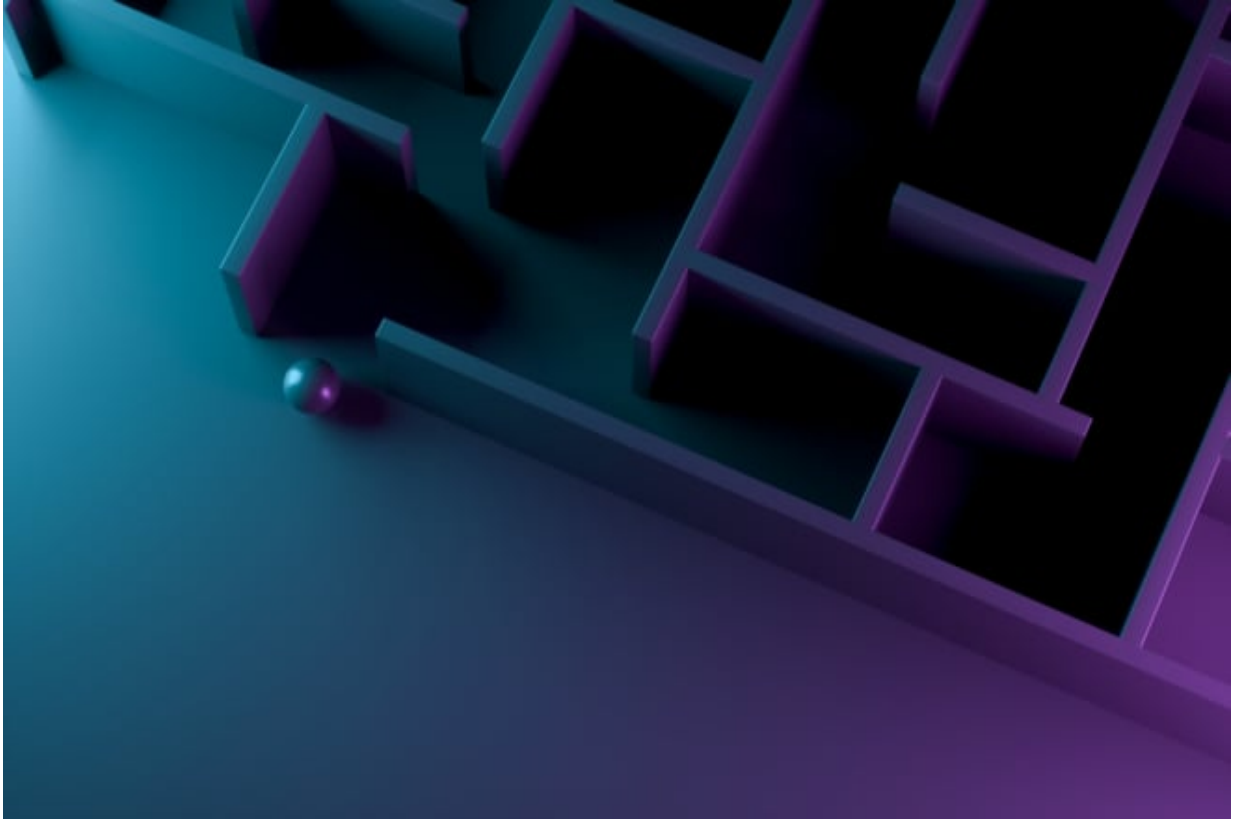
????????????????????2050??CO2????????????????????????????????  
????????????????CO2????????????????CO2????????????

**11. ????????????????????????**

??2025?1  
????????????

??  
??





akinbostanci/iStock

COP28????????????????????1.5????????????????????????????????????1.5????2050  
??

??1.5?????  
**The Death of the 1.5 Degree Climate Target??????????1?8??????????????**  
??

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

??

??2024??1900????????????????????1.5?????  
2.7??

????????????????????2030??1.5??2015??????????2??????  
????????????????????

1.5??  
??  
1980????2000?????????5??????

??80??????????  
????????????????????????????????

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









Lari Bat/iStock

????????????????????11????????????3????????????2???

????????????????14??????5???

??7????????????????150?????

??

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

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

??9????????????????  
??

??

??

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

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

????????????????????????????????????7????????????????????????????????????3??1?2400??  
????????????1123????????????????????????????25.9????????30.2%????????????

EV????????????????????????????????EV????????????????????????????????  
????????????85????????????????????????????????????

EV????????????????????????????????EV????????????????????????????  
??EV????????????  
????????????

6. ???

??

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

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

7. ?????????????

??  
??

??

??

??

- ???  
???
- ???
- ???

??  
?????????

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

?



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







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

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

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

1. **A**????????????1,617????
2. 75????**B**????372????
3. **A**?**B**?4????260kWh????140????611????
4. ?????140????611????

????1?2????

????3????

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

**B**????2????811????  
??2??439??811?  
439?372??/??375????

????4????4????140????611????  
140????

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

????????——????

????

????????

????

????SNS????

????

????

????——????

????

????12????







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

**II. ????**

??

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

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

1. ???
2. ?????????????????????50????????????????
3. ?????????CO2????????
4. ?????????????
5. ??EV????????????????
6. ?????????????????????????????????????
7. ?????????????
8. ?????????????
9. ?????????????????
10. CO2????????????????????
11. ?????????????????????

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

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

????????????????????????????????3E+S  
??3E+S  
??

??  
????????

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

?



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

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

?? ?? · Saturday, February 17th, 2024



???????SNS??











??

?? ?? · Friday, February 9th, 2024



Agenda47: President Trump on Making America Energy Independent Again

??

?47?????3???2???

??

**??**

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

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



??58??  
??

????????XL??  
??





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

?? ?? · Thursday, February 8th, 2024

??47?????3?????????  
??3??????????????



????????HP??

????????

**?????????1????????????????????**

??  
???

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

??  
??  
???

??  
??

??  
2??

??

