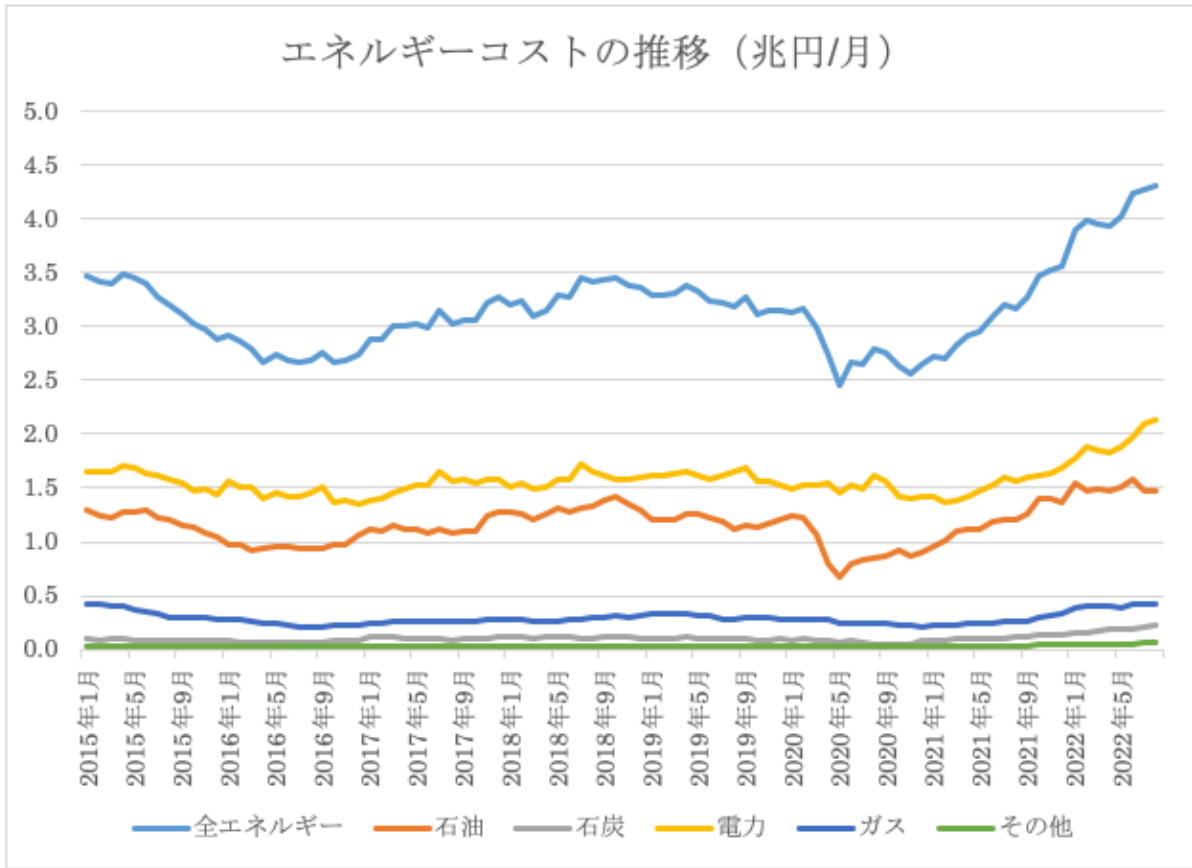


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??2022年8月????????????????4.3????????????2.1??????

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

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?? ?? · Monday, October 3rd, 2022



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

??????SRZ1200????

?? ?? · Sunday, October 2nd, 2022

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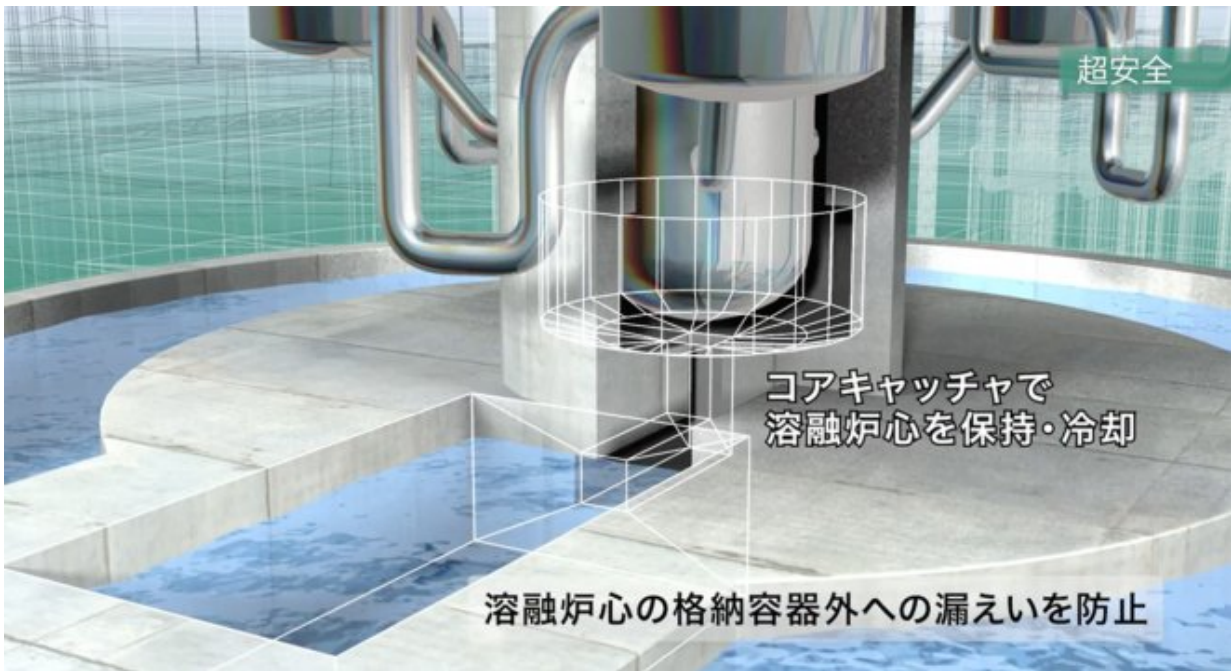
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SRZ1200?????

S????Super-safe????????????Sustainability?R????(Resilience)???Z????????Zero-Carbon????????

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DiscoverMHI (Mitsubishi Heavy Industries, Ltd.)??

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

NHK????????????????????????????

?? ?? · Sunday, October 2nd, 2022



???NHK??
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small smiles/iStock

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Posted in ???, ????? | No Comments »

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?? ?? · Saturday, September 24th, 2022



halbergman/iStock

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??3.5????????????Build Back
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Posted in ??????????, ??, ?? | No Comments »

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?? ?? · Sunday, September 18th, 2022

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CCS

CO2

12 CO2

10 15 CO2

FIT

13 CO2

(EV) EV

CO2

2050

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Posted in ???, ????? | No Comments »

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?? ?? · Thursday, September 15th, 2022



igorartmd/iStock

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??????Fertilizers Europe?????????EU????????????????????????????????

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herraez/iStock

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CEO????????????????????????????????

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Posted in ???, ?? | No Comments »

??21????????????????ESG????????????

?? ?? · Saturday, September 10th, 2022

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

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LumerB/iStock

8?16????21????????????SEC????ESG????????????SEC????????????
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8?23????????????????????????ESG????????????

8?24????????????????????????????????10?350????????????6????????13??
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350????????ESG????????????????????UBS????????????

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

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?? ? · Saturday, September 3rd, 2022



ayhan turan/iStock

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CO2 CO2 150 ppm

1 30 0.2 0.3

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HP 10 1950 60 1993 30

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CO2 CO2 CO2

170 2000 42
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Posted in ??, ??? | No Comments »

LCOE

?? - Thursday, September 1st, 2022



vchal/iStock

IRENA J.P.Morgan

IRENA

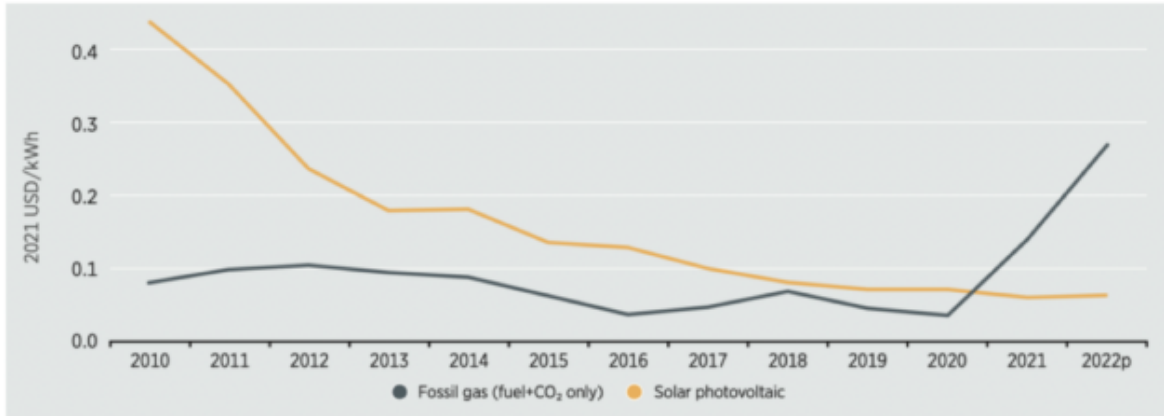
2022 13 IRENA 2021

Renewable Power Generation Costs in 2021 – Executive Summary (irena.org)

IRENA

- 2021 163GW LCOE G20
-
-

Figure ES.3 The weighted average LCOE of utility scale solar PV compared to fuel and CO₂ cost only for fossil gas in Europe, 2010-2022



?????2021?8?????????????2030????????????????????

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2. J.P.Morgan?????

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12th Annual Energy Paper | J.P. Morgan Private Bank (jpmorgan.com)

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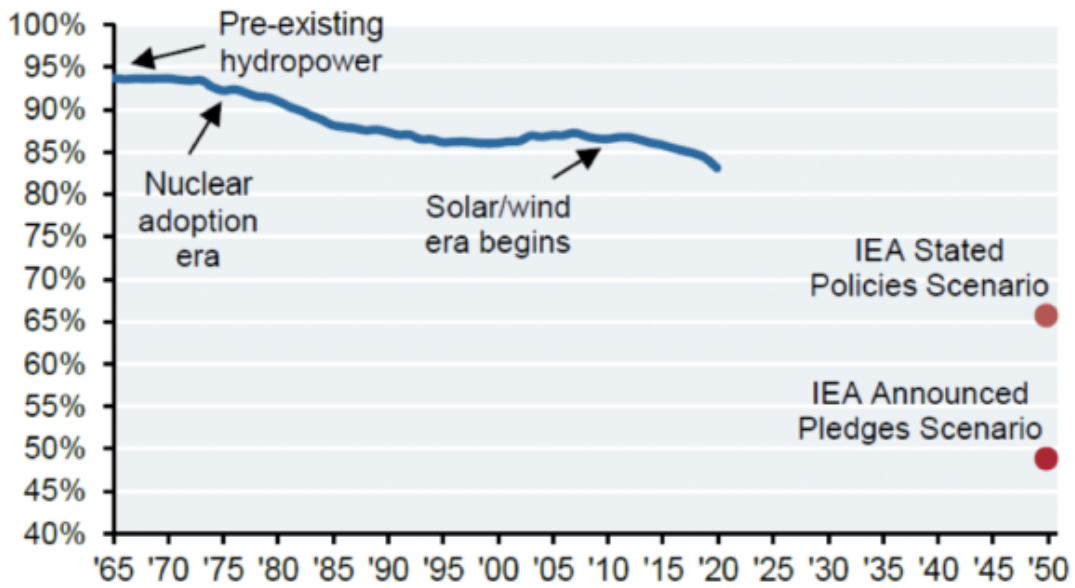
?2050??????

IEA????????????????????????????2050????????????66?????

??10????????????????????????????
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The world uses fossil fuels for ~83% of its energy

% of global primary energy consumption from coal, oil and nat gas



Source: BP Statistical Review of World Energy, IEA, JPMAM. 2021.

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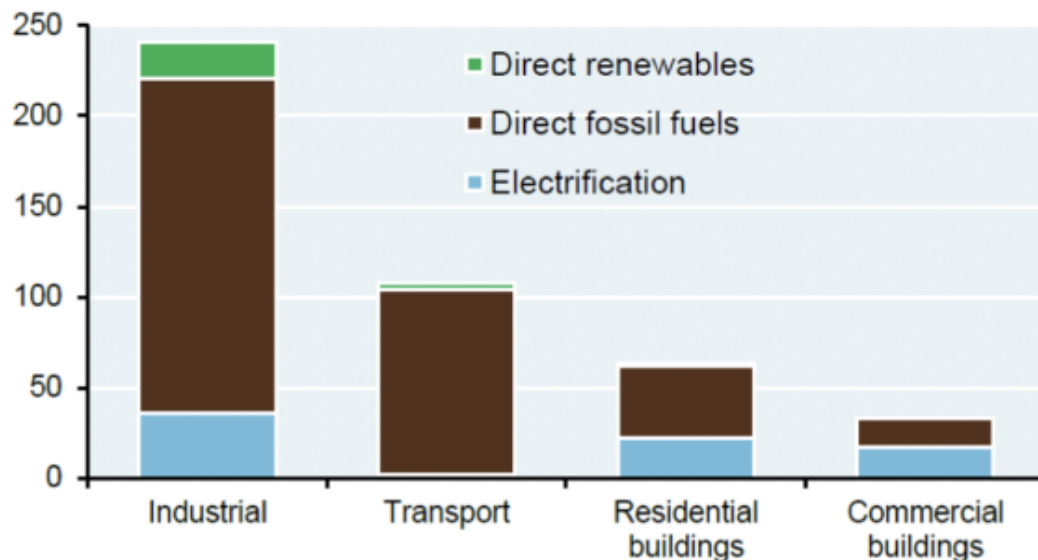
LCOE??i)????????????????????????
 iii)??

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Low levels of electrification in global industry and transport

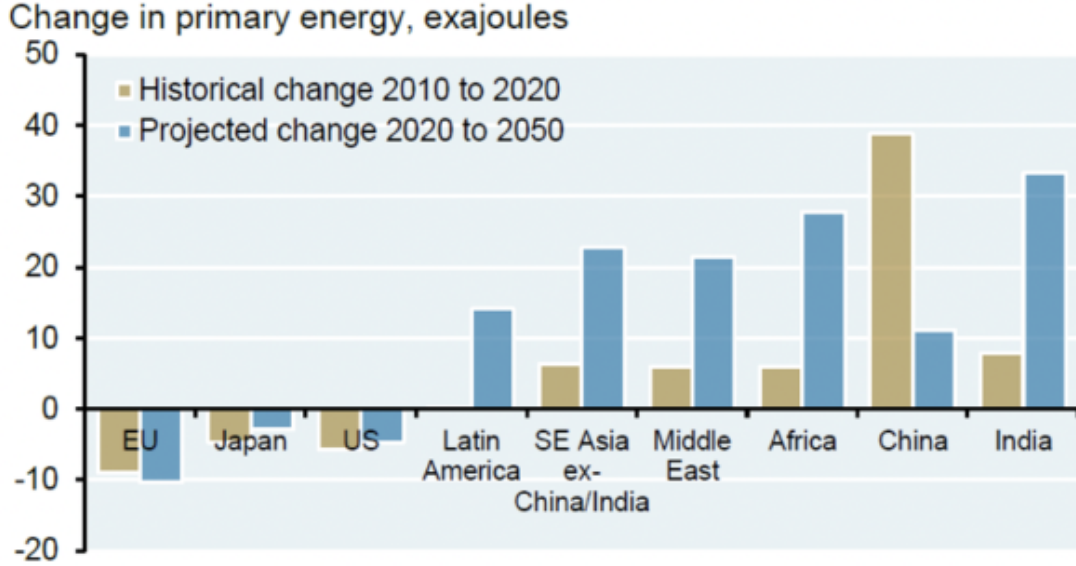
Quadrillion BTUs of final energy consumed by sector



Source: Energy Information Administration, JPMAM. 2021.

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??25??
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China is the only EM country projected to slow primary energy consumption growth over the next three decades



Source: International Energy Agency Stated Policies Scenario. 2021.

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3. LCOE??FCOE?

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

COP27????????????????????????????????

?? ?? · Monday, August 29th, 2022



imagedepotpro/iStock

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Posted in ???, ????? | No Comments »

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

?? ?? · Sunday, August 28th, 2022



marrio31/iStock

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8?24????2?GX(????????????????)????????

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?6??26????

©Westinghouse Electric Corporation.

Current Plants) safety by design (passive safety)
AP1000 ESBWR
ATMEA EPR APWR ABWR
AP1000

ABWR APWR ATMEA

ABWR APWR ATMEA

ABWR APWR
ABWR 6 7 3 11

ABWR ABWR

4 3 4 PWR APWR
APWR safety by design
ATMEA



Posted in , , | No Comments »

Friday, August 26th, 2022

GX

ABWR APWR ATMEA

7 10

| | 【新規建設に向けた方針等】 | 【既設炉の運転延長に向けた方針等】 |
|---|---|---|
|  アメリカ | <ul style="list-style-type: none"> エネルギー省「革新的原子炉実証プログラム」等 2 炉の建設支援、8 炉型の研究開発支援 (2020) 老朽石炭火力をSMR等で置換可能と分析 (2022) | <ul style="list-style-type: none"> 運転期限なし (40年+20年単位延長) 現時点で80年までの運転延長認可は6基 さらに9基について審査中 |
|  イギリス | <ul style="list-style-type: none"> ジョンソン首相「エネルギー安保戦略」(2022/4) 2050年までに発電割合を25%に、24GWの導入 1基/1年に建設ペース加速へ、支援を抜本拡充 | <ul style="list-style-type: none"> 運転期限なし (10年ごとに安全審査) 2035年に40年となるサイズウェル原発で 20年延長を検討中 |
|  フランス | <ul style="list-style-type: none"> マクロン大統領「新規原子炉計画」(2022/2) 2050年へ大型革新軽水炉14基を建設・検討 建設・運営主体の電力会社EDFを完全国有化 | <ul style="list-style-type: none"> 運転期限なし (10年ごとに安全審査) 56基中20基が40年超運転へ 運転延長も対象にグリーンファイナンス検討中 |
|  オランダ | <ul style="list-style-type: none"> 新連立政権「政策協定」公表 (2021/12) 新たに2基を建設する方針を表明 | <ul style="list-style-type: none"> 運転期限は法律で規定 (期間のルールなし) 60年運転認可済の原発の再延長方針を表明 |
|  韓国 | <ul style="list-style-type: none"> 尹大統領「エネルギー政策の方向性」(2022/7) 2030年原発割合30%以上、国内2基建設等 | <ul style="list-style-type: none"> 運転期限なし (10年ごとに安全審査) 既設炉の継続運転手続きの迅速化を表明 |

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

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

?? ?? · Friday, August 26th, 2022



Naeblys/iStock

2025????1000????????????????????????EV????????????????????????

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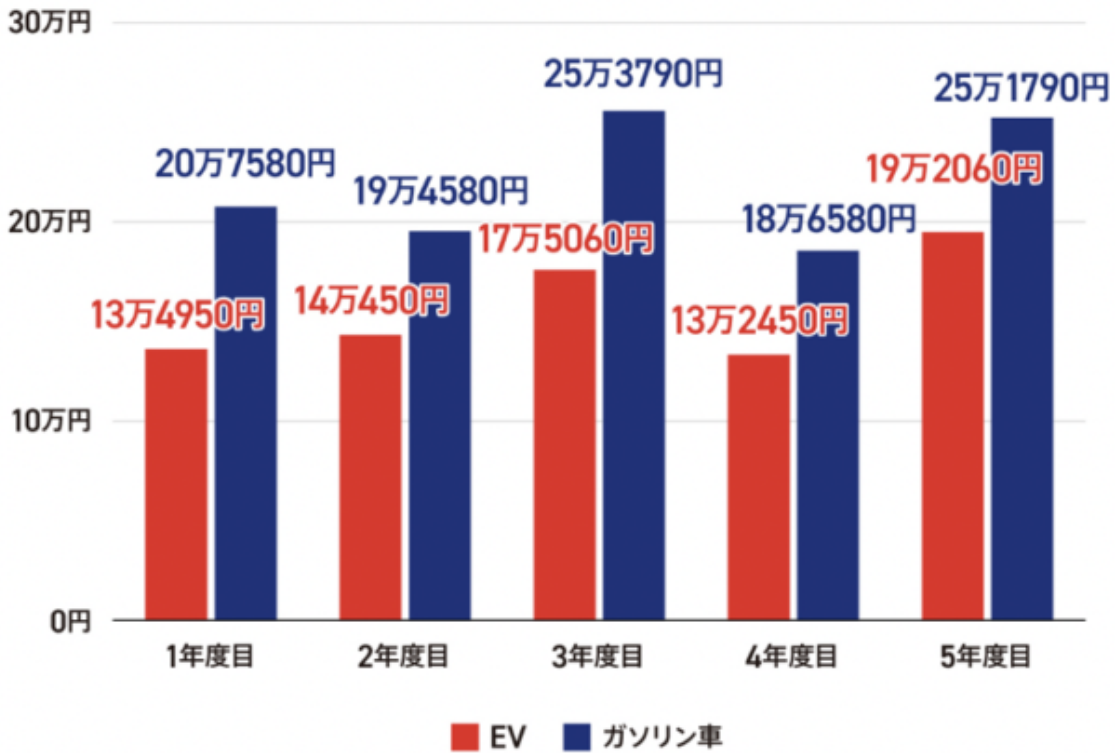
Posted in ??????????, ??? | No Comments »

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

?? ? · Thursday, August 25th, 2022

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Online??

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?1 EV????????????

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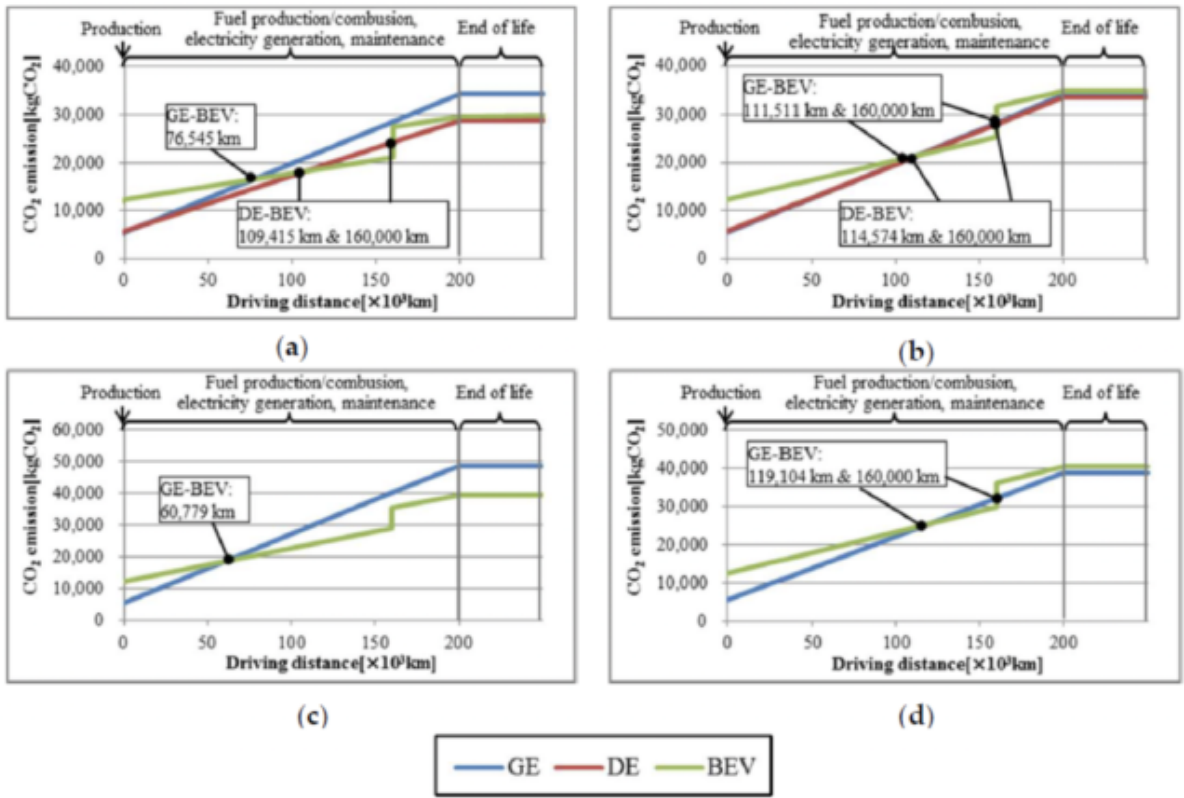
????EV????????CO₂????????ICV????????EV????????

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??125,000km????????13,500km????????EV????????9????????60,000km????????
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177kg- CO₂/kWh??GE?DE?BEV????????DIP: Distance of Intersection Point????



2 CO2 emissions during life cycle for GE, DE, and BEV.

(a) EU; (b) Japan; (c) US; (d) China

GE, DE, BEV, CO₂, BEV, CO₂, BEV

(a) EU, DIP, 109,415 km, BEV, DE, 109,415 km, 160 km, BEV

(b) DIP, 111,511 km, BEV, GE, 160 km, BEV

(c) GE, DIP, 60,779 km, BEV, GE

8 km, 1 km, EV, 70, 100, CO₂

EV, 8, BEV, CO₂, 2035, EV, 550

CO₂

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Posted in , | No Comments »

ESG??????????

?? ?? · Sunday, August 21st, 2022



Pict Rider/iStock

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SEC?5?ESG??

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

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?? ? · Saturday, August 20th, 2022

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Santje09/iStock

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Posted in ???, ?? | No Comments »

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?? ?? · Sunday, August 14th, 2022

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Highwaystarz-Photography/iStock

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<https://www.pref.kanagawa.jp/osirase/0502/kouhyou/2015j/2015j0124-2.html>

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

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?? ?? · Tuesday, August 9th, 2022

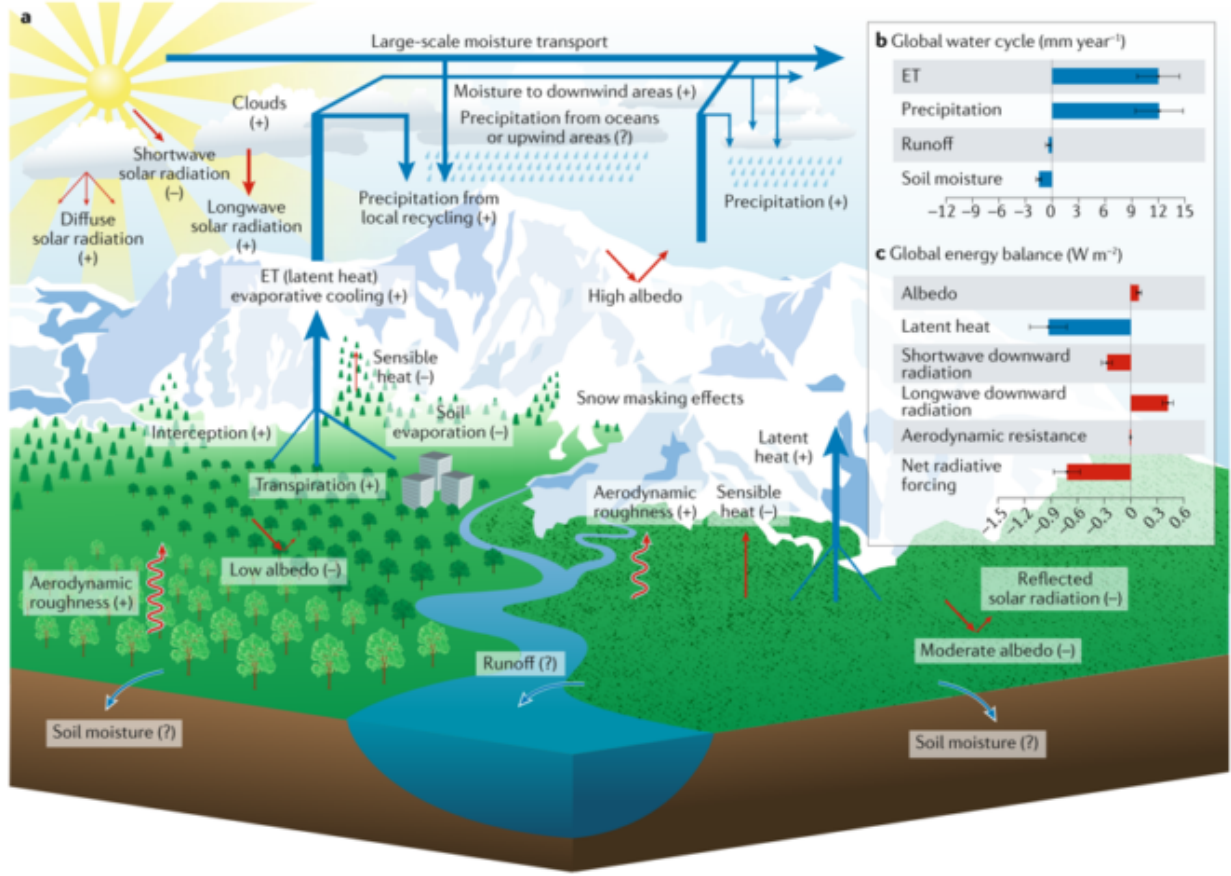


Petmal/iStock

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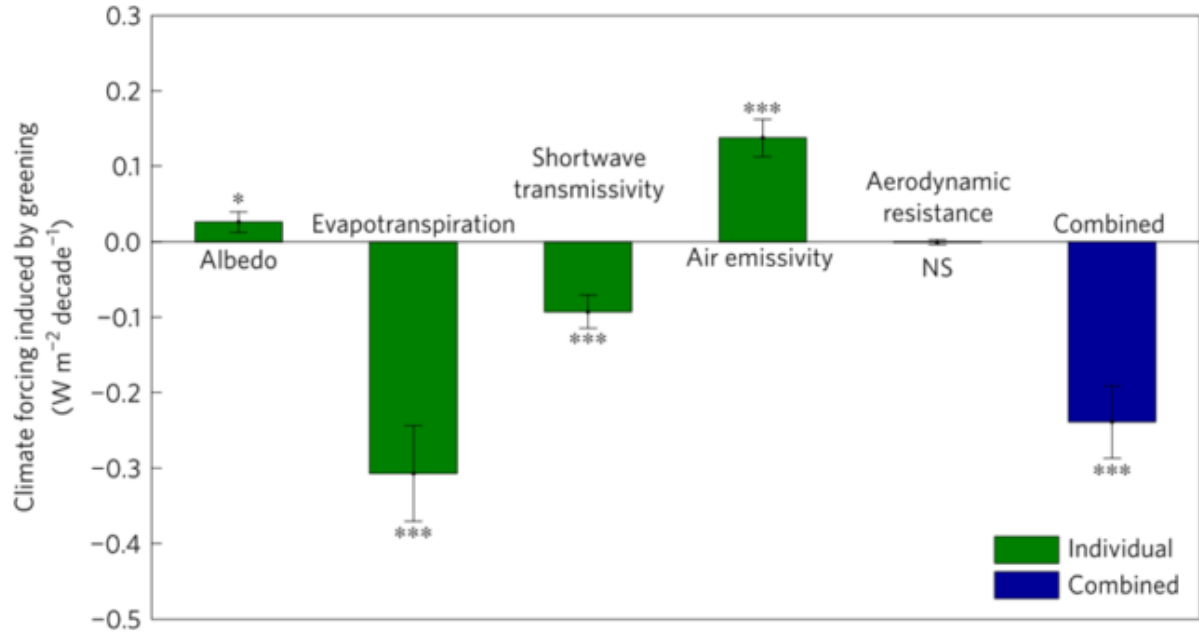
????????LAI????30????8% ?????????????CO2??
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Piao, S., Wang, X., Park, T., Chen, C., Lian, X., He, Y., Bjerke, J. W., Chen, A., Ciais, P., Tømmervik, H., Nemani, R. R., & Myneni, R. B. (2020). Characteristics, drivers and feedbacks of global greening. *Nature Reviews Earth and Environment*, 1(1), 14–27.

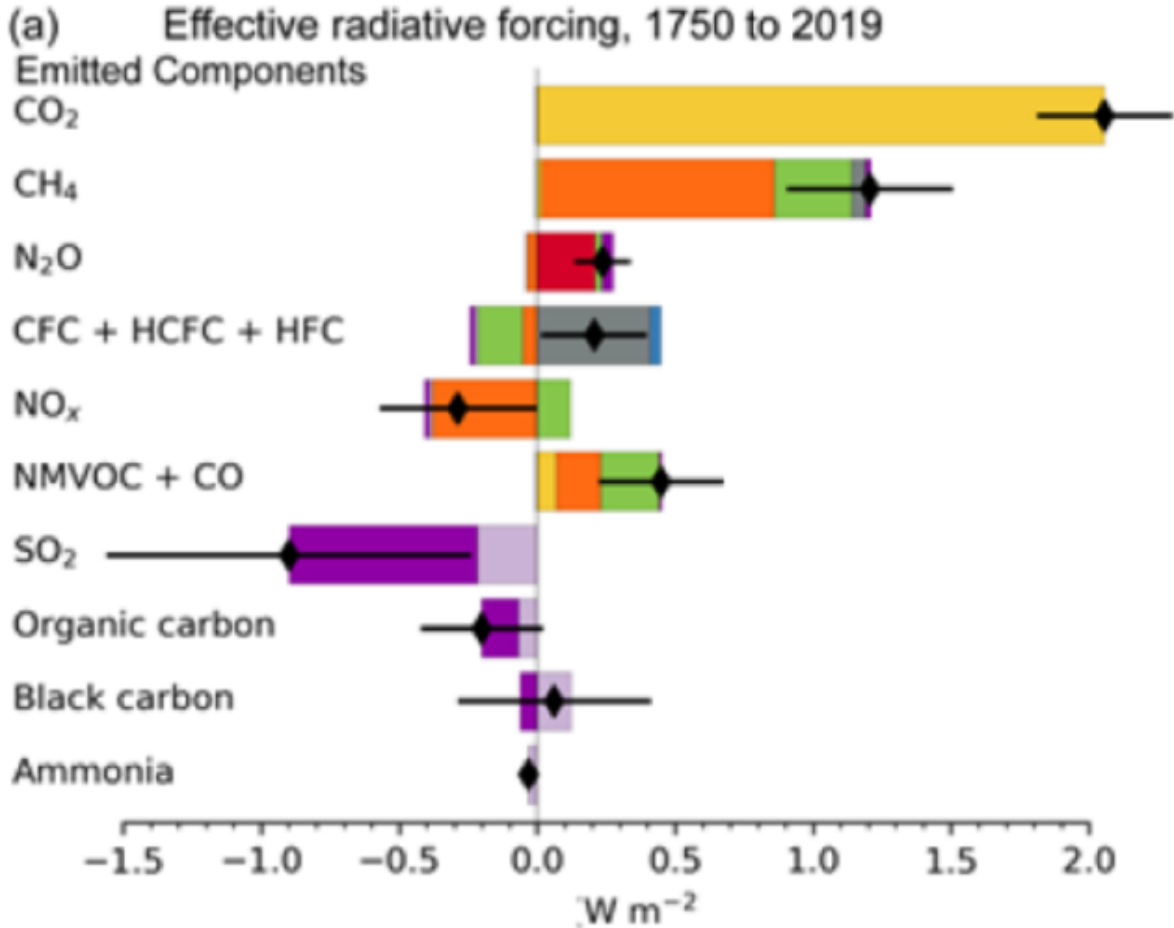
??10?????0.24W/m²???????



Zeng, Z., Piao, S., Li, L. Z. X., Zhou, L., Ciais, P., Wang, T., Li, Y., Lian, X., Wood, E. F., Friedlingstein, P., Mao, J., Estes, L. D., Myneni, R. B., Peng, S., Shi, X., Seneviratne, S. I., & Wang, Y. (2017). Climate mitigation from vegetation biophysical feedbacks during the past three

decades. Nature Climate Change, 7(6), 432–436.

0.24W/m²????????????40????????1W/m²????IPCC????1750????CO2????????2W/m²????
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IPCC AR6 Fig. TS.15

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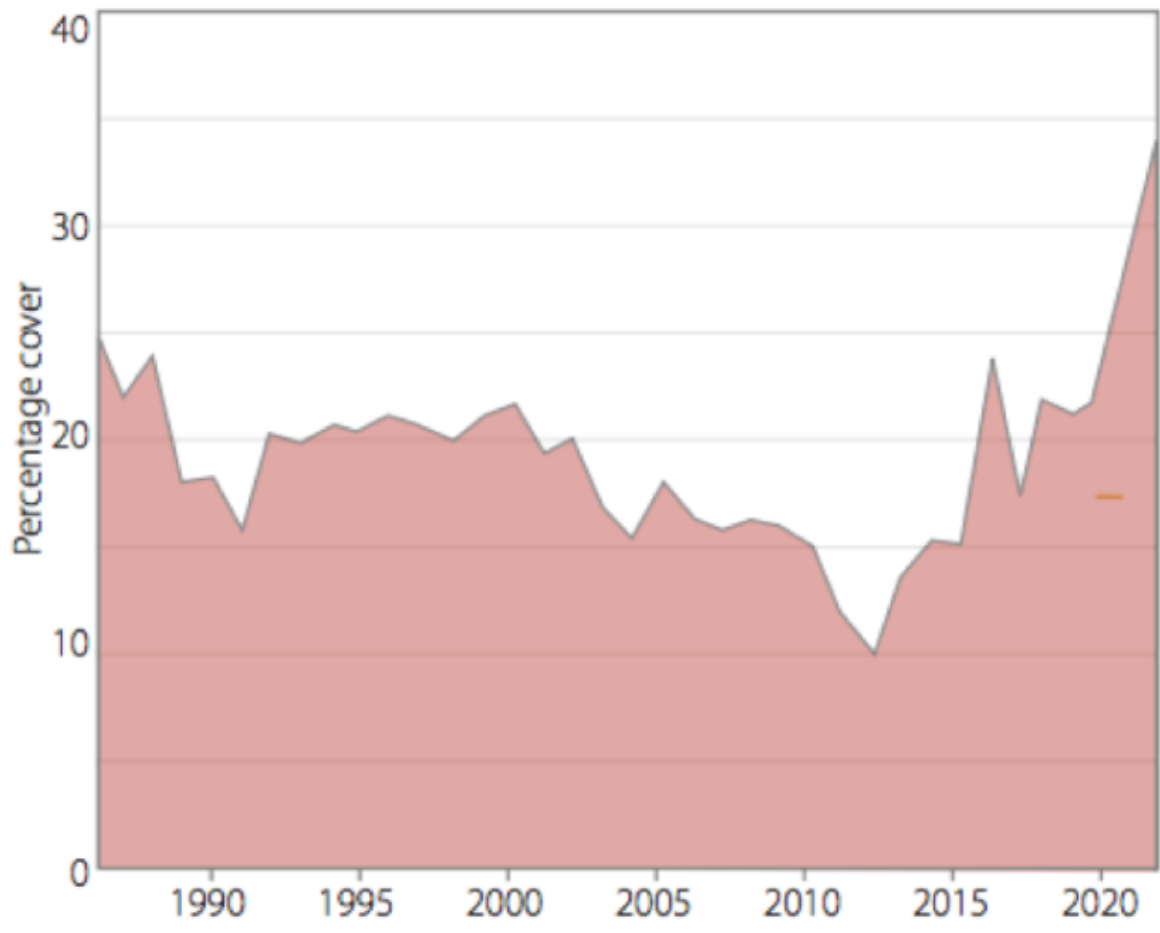
IPCC?????60????????????????????

?? ?? · Sunday, August 7th, 2022



Maerie/iStock

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2022????5%??10%????????????????????????????
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Without significant changes to the rates of disturbance and coral growth, coral cover in the central and southern regions of the GBR is likely to decline to 5–10% by 2022. The future of the GBR therefore depends on decisive

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Great Barrier Reef is damaged beyond repair and can no longer be saved, say scientists

By Helena Horton
29 May 2017 • 1:17pm



Helena Horton, Daily Telegraph, 29 May 2017

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