

Global Energy Policy Research | GEPR

GEPR <http://agorajp.com/>

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?? ? · Sunday, October 1st, 2023

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

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?? ?? · Friday, September 29th, 2023

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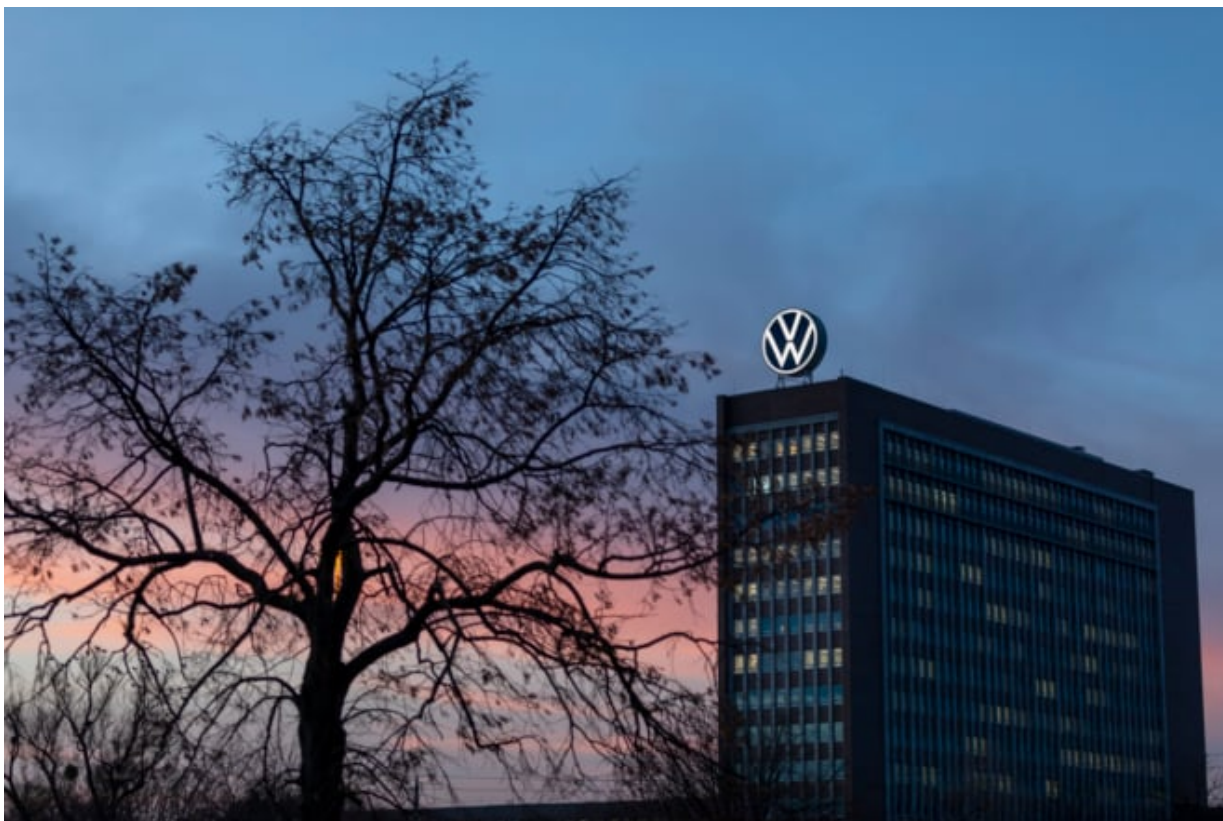
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Ilari Nackel/iStock

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- 5??BASF??????2600?????Bloomberg 2023?2?24??

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

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?? ?? · Thursday, September 28th, 2023

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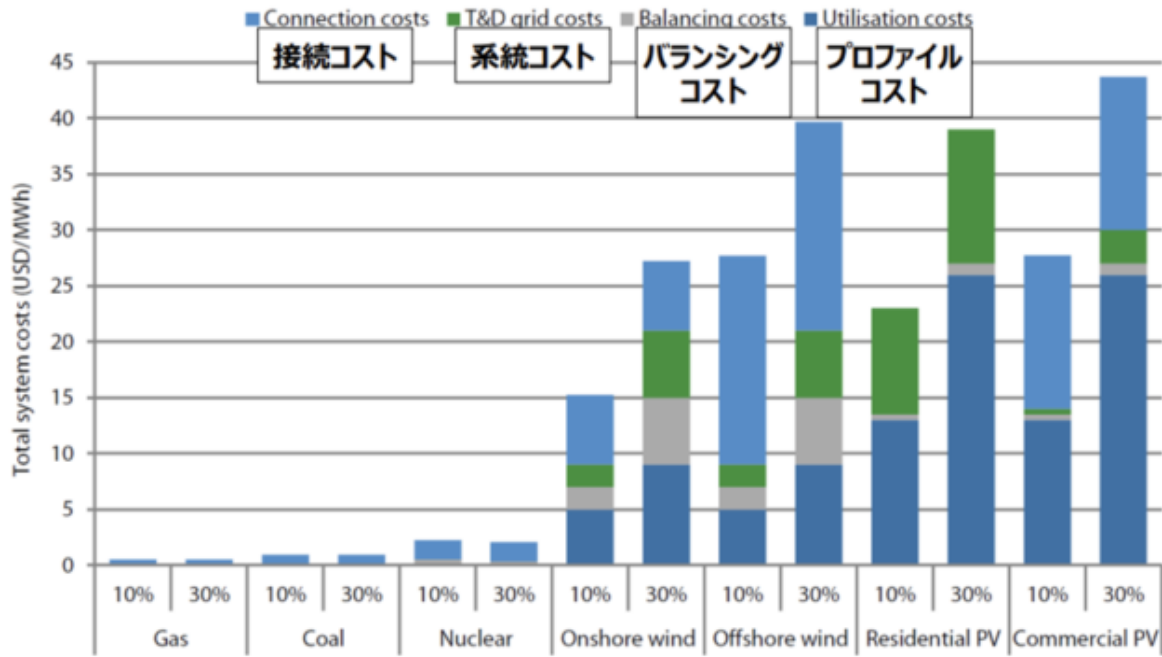
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?? ?? · Tuesday, September 26th, 2023

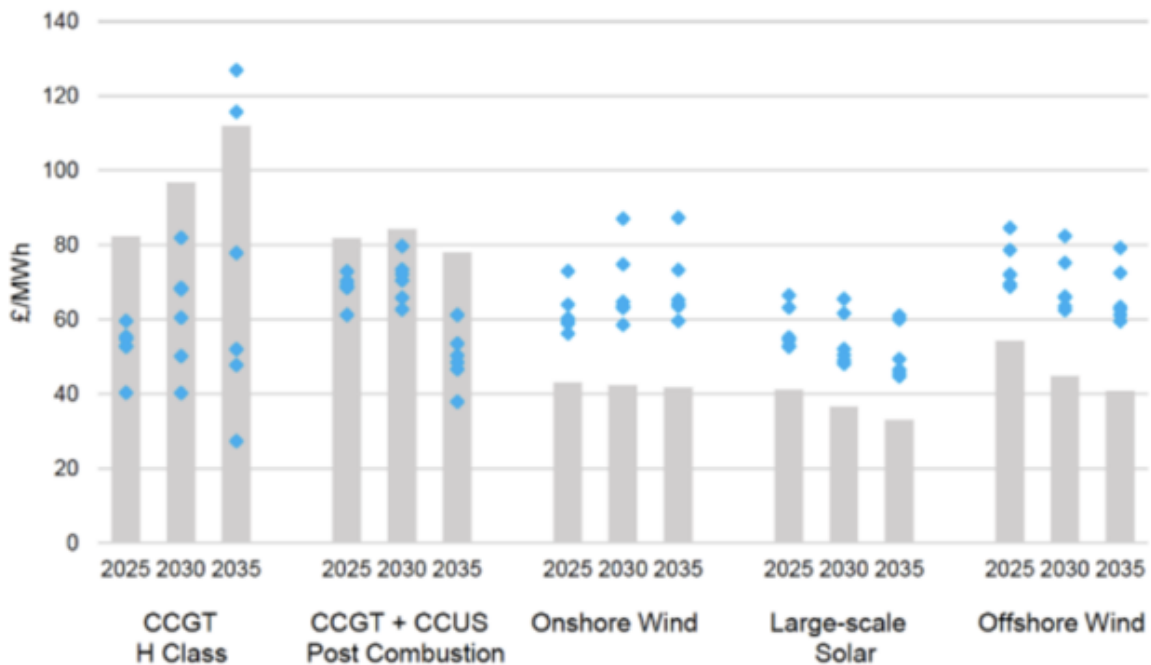


nitinan chumdavong/iStock



OECD The Full Cost of Electricity Provision 2018

BEIS Enhanced Levelized Cost of Electricity (LCOE) for CCS and other technologies. The chart shows LCOE trends for various technologies from 2025 to 2035.



BEIS Electricity Generation Costs 2022

LCOE for 2025 and 2035 for various technologies. For example, CCGT H Class LCOE is projected to decrease from approximately 67 £/MWh in 2025 to 40 £/MWh in 2035.

LCOE for 2035 for various technologies. For example, Onshore Wind LCOE is projected to be around 1.5 £/MWh in 2035.

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?? ?? · Thursday, September 21st, 2023



Maks_Lab/iStock

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?? ?? · Tuesday, September 19th, 2023

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— ?????? (@atomic_journal) September 15, 2023

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?? ?? ? - Tuesday, September 12th, 2023



Gwengoa/iStock

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?? ?? · Thursday, September 7th, 2023

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?? ?? · Saturday, September 2nd, 2023



axz66/iStock

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

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?? ? · Thursday, August 31st, 2023



photoschmidt/iStock

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CBAM????????

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

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?? ? · Monday, August 28th, 2023



dima_zel/iStock

??GCR????????????????[PDF](#)????12????
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Fig. 4?????????GCR?????????3?????????GCR?????????GCR?????????

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

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?? ?? · Sunday, August 27th, 2023

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Don't overstate 1.5 degrees C threat, new IPCC head says

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Inc.: Inside Corporate America's Social Justice
Scam????????????

Vivek Ramaswamy says the 'climate change agenda' is a hoax

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Everything????????????



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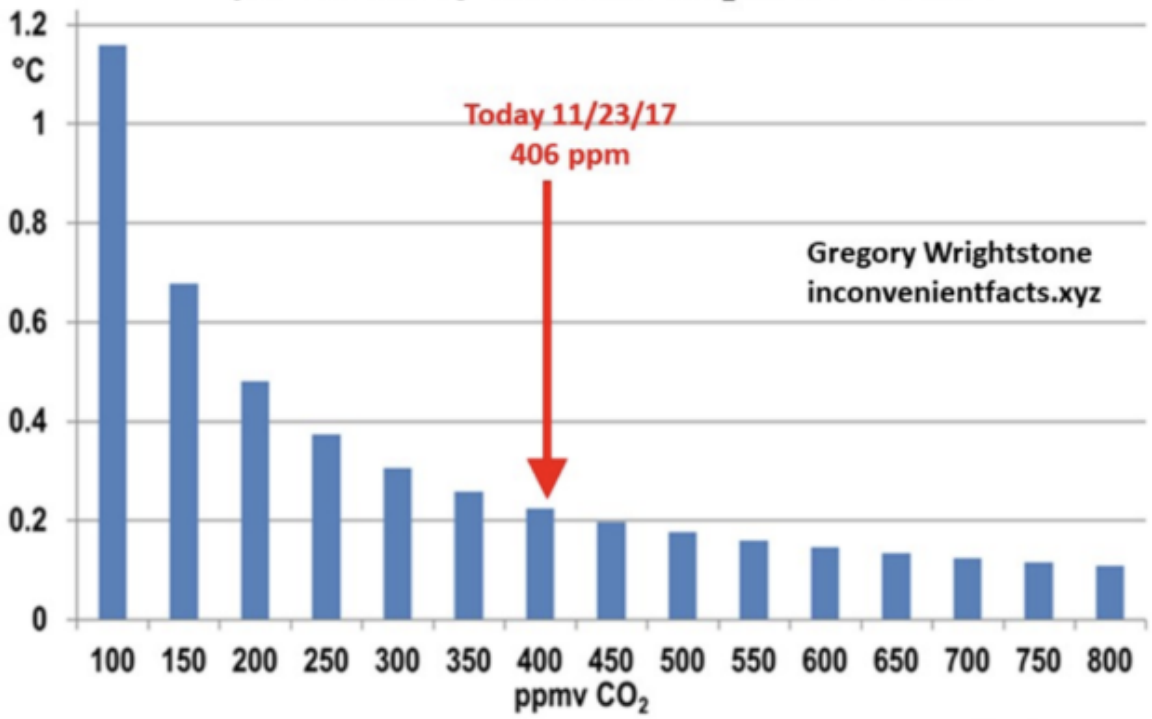
?SDGs????????

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????2??????CO2????????????????????????

?? ?? · Tuesday, August 22nd, 2023

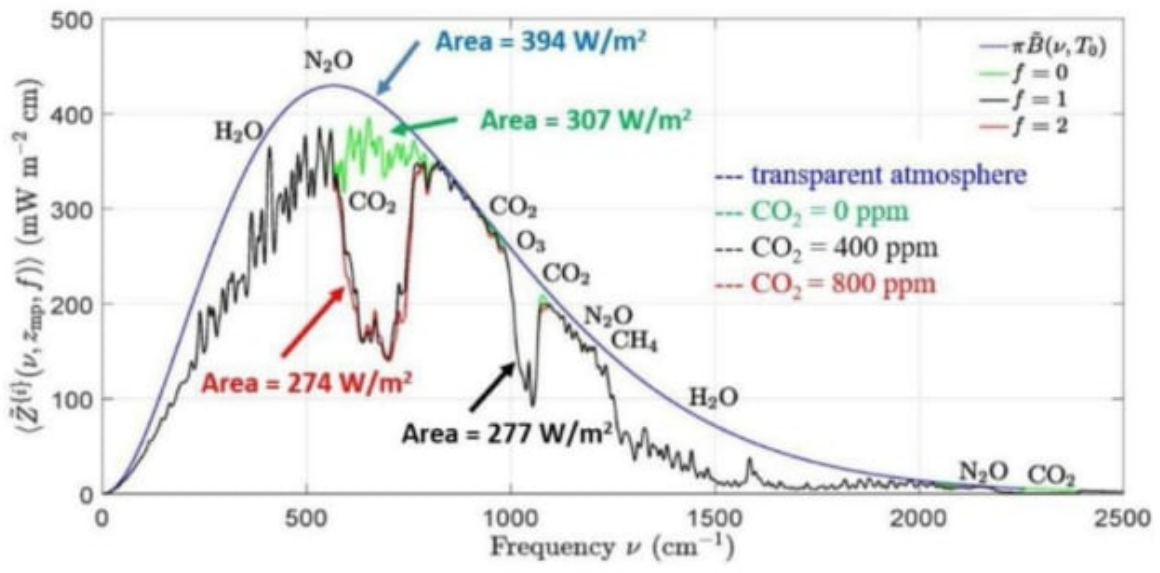
Figure I-3: Less global warming for each additional 50 parts-per-million-by-volume of CO₂ concentration



Gregory Wrightstone
inconvenientfacts.xyz

??????CO₂?????2?800ppm????????????????????????????????CO₂??

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??394 W/m²????????????????????????????????@transparent atmosphere????????????????27??



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400ppm????????394W/m²????277W/m²??277/394 =
70????????????CO₂?400ppm??800ppm????????????????????????????????????274
W/m²?69.5%????????????????????????????????3W/m²????????????????????1????????????

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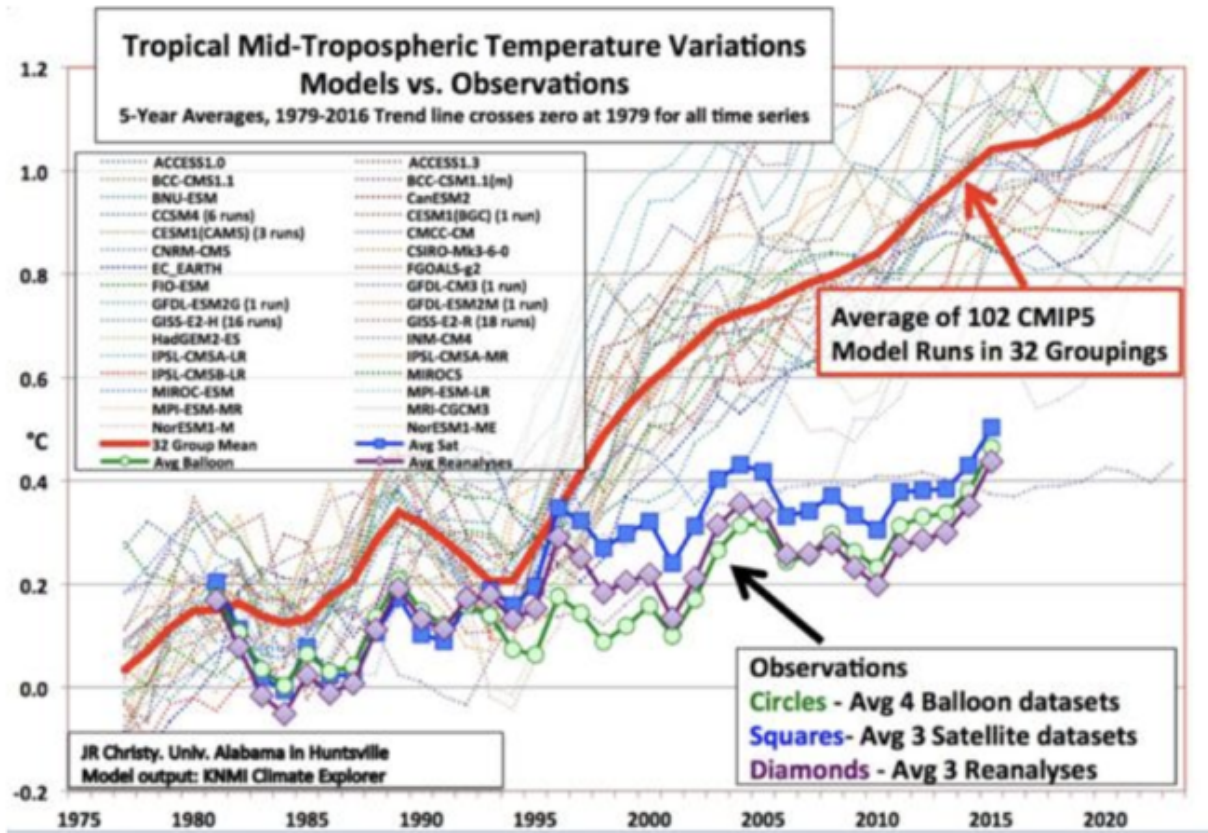
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The main conclusion of this part of the study is that even an order of magnitude increase of CO₂ in the atmosphere by human activities, which at the present rate of input is not expected within the next several thousand years, may not be sufficient to produce a runaway greenhouse effect on Earth. On the short time scale, if CO₂ is augmented by another 10 percent in the next 30 years, the increase in the global temperature may be as small as 0.1°K.

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?? ?? · Friday, August 18th, 2023



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Luisa Trescher Photos/iStock



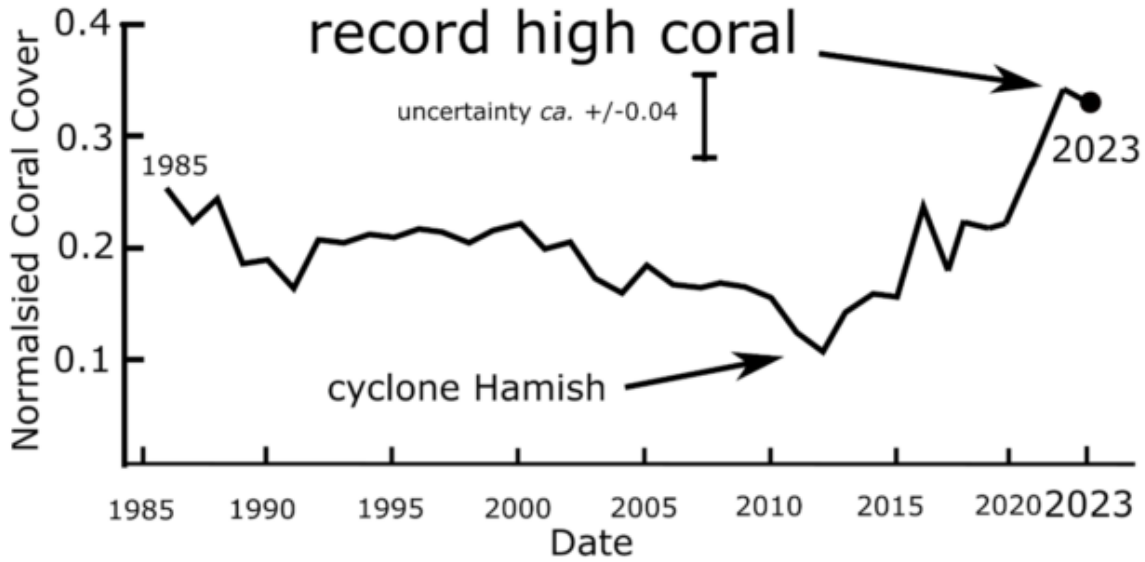
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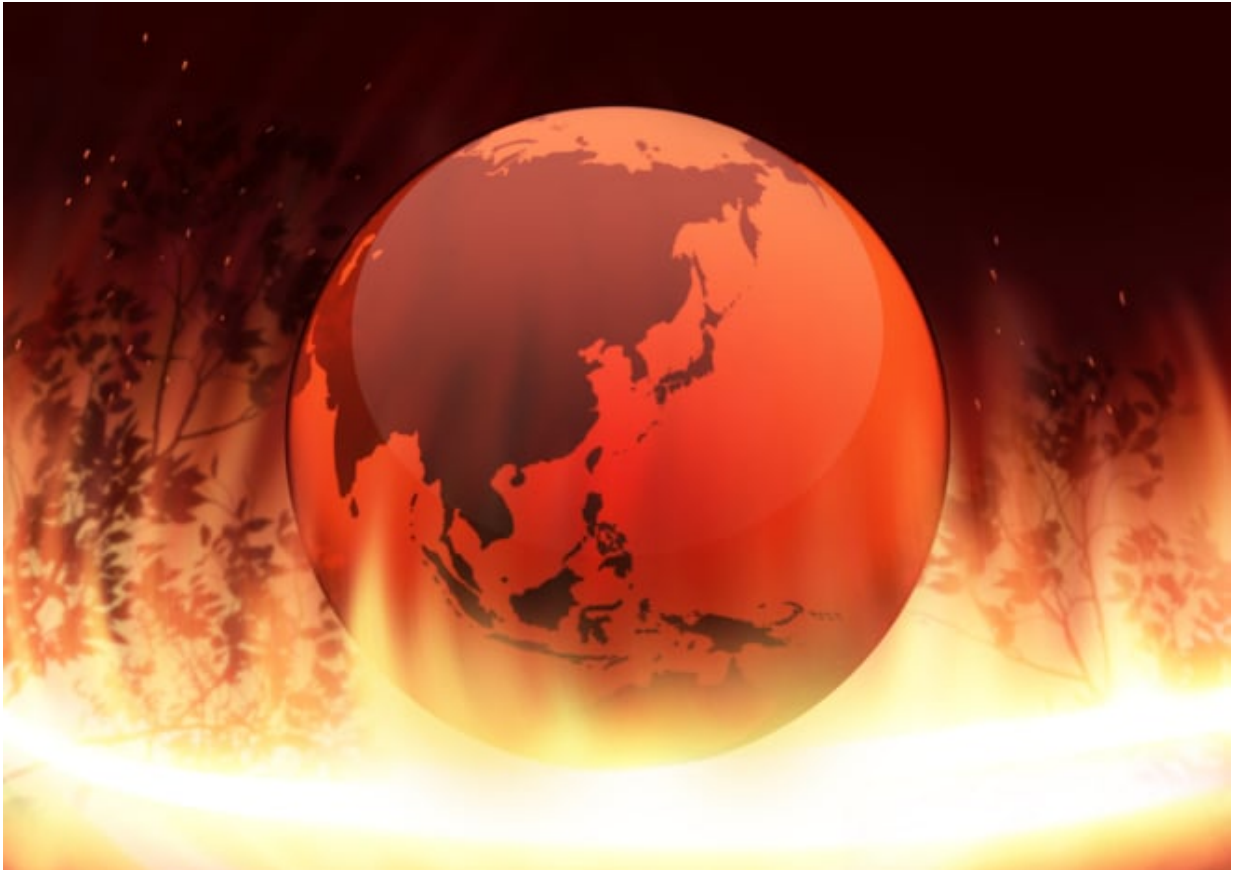
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Posted in ???, ????? | No Comments »

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?? ?? · Thursday, August 17th, 2023



Tr6/iStock

global warming global boiling

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2023 “”

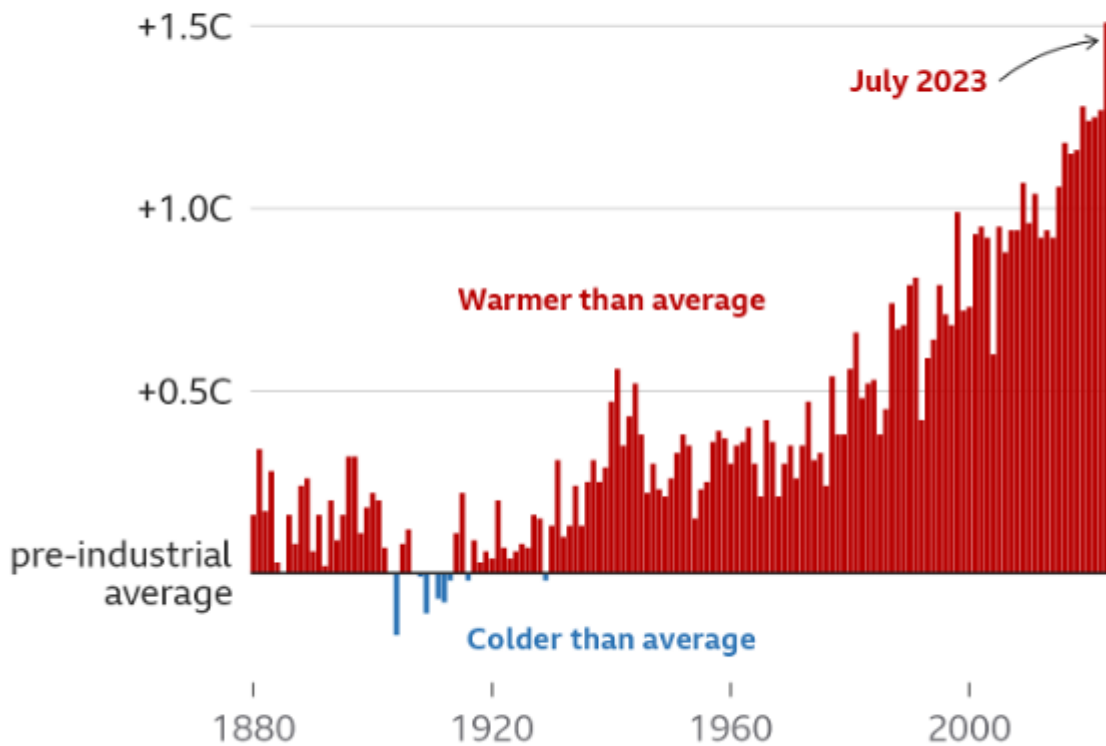
100 15 100

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BBC 1

World set for hottest July on record

Global average July temperature by year, compared with pre-industrial average for July (1850-1900)



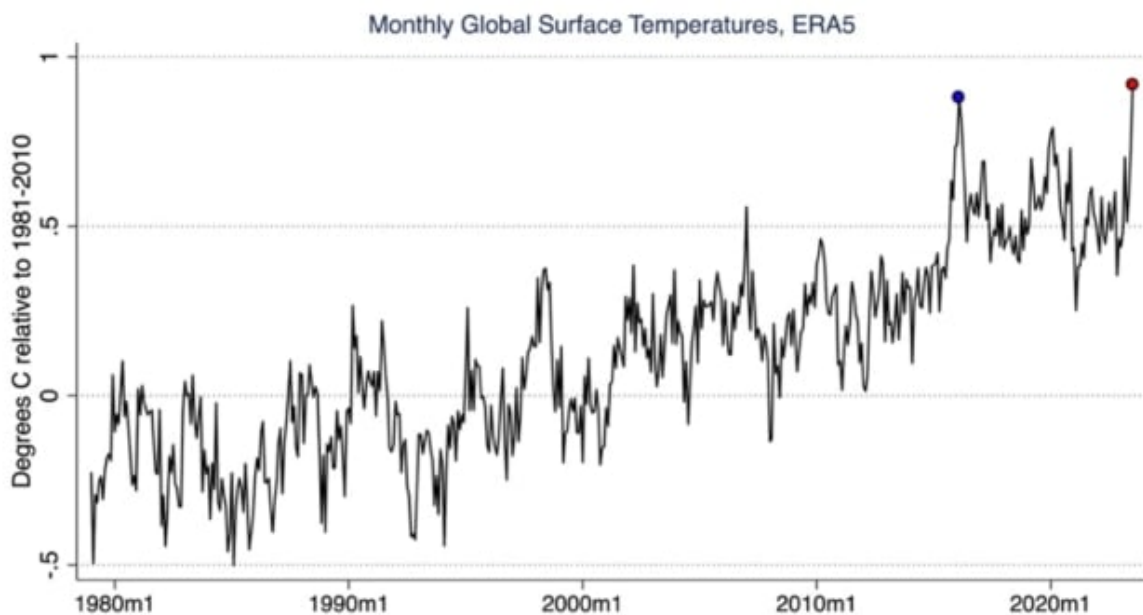
Data for July 2023 is provisional based on NCEP/GFS analysis

Source: NASA GISTEMP



?!?BBC??

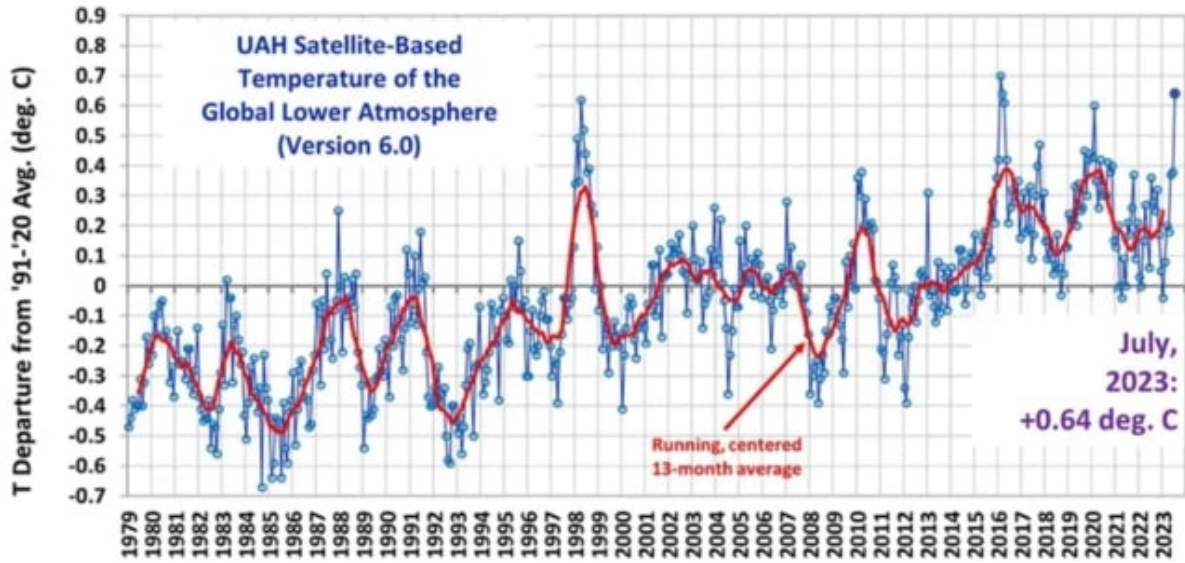
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Climate Etc.

9000 UAH



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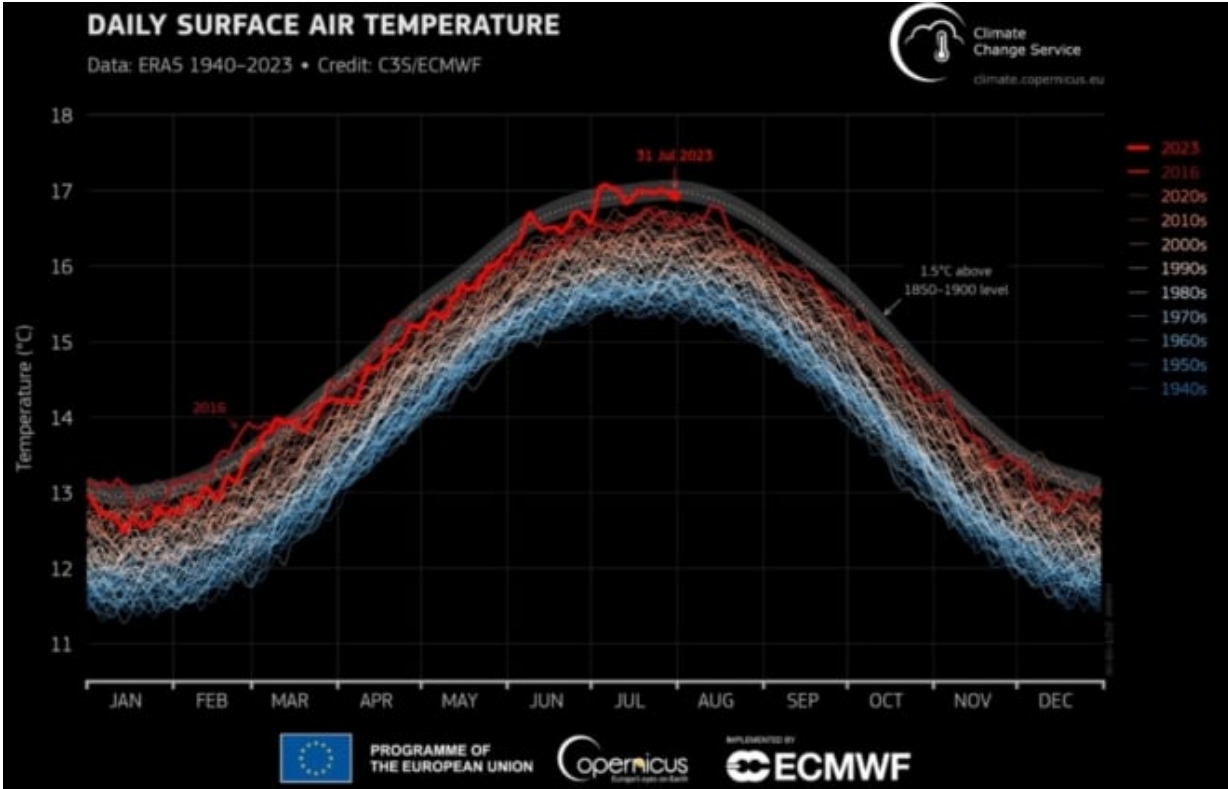
Climate Etc.

2023

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Posted in ???, ????? | No Comments »

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?? ? · Saturday, August 5th, 2023



midwlv/iStock

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14
S. Matsuda?“ Validity of Bio-Ethanol as a Countermeasure against Global Warming”, J. Environ. Inf. Sci. , Vol.37, No.5, pp.1-6 (2009.3)?

CO2

CO2
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p.55
Table 2?

HP
Vol.44
vol.37

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949-954??
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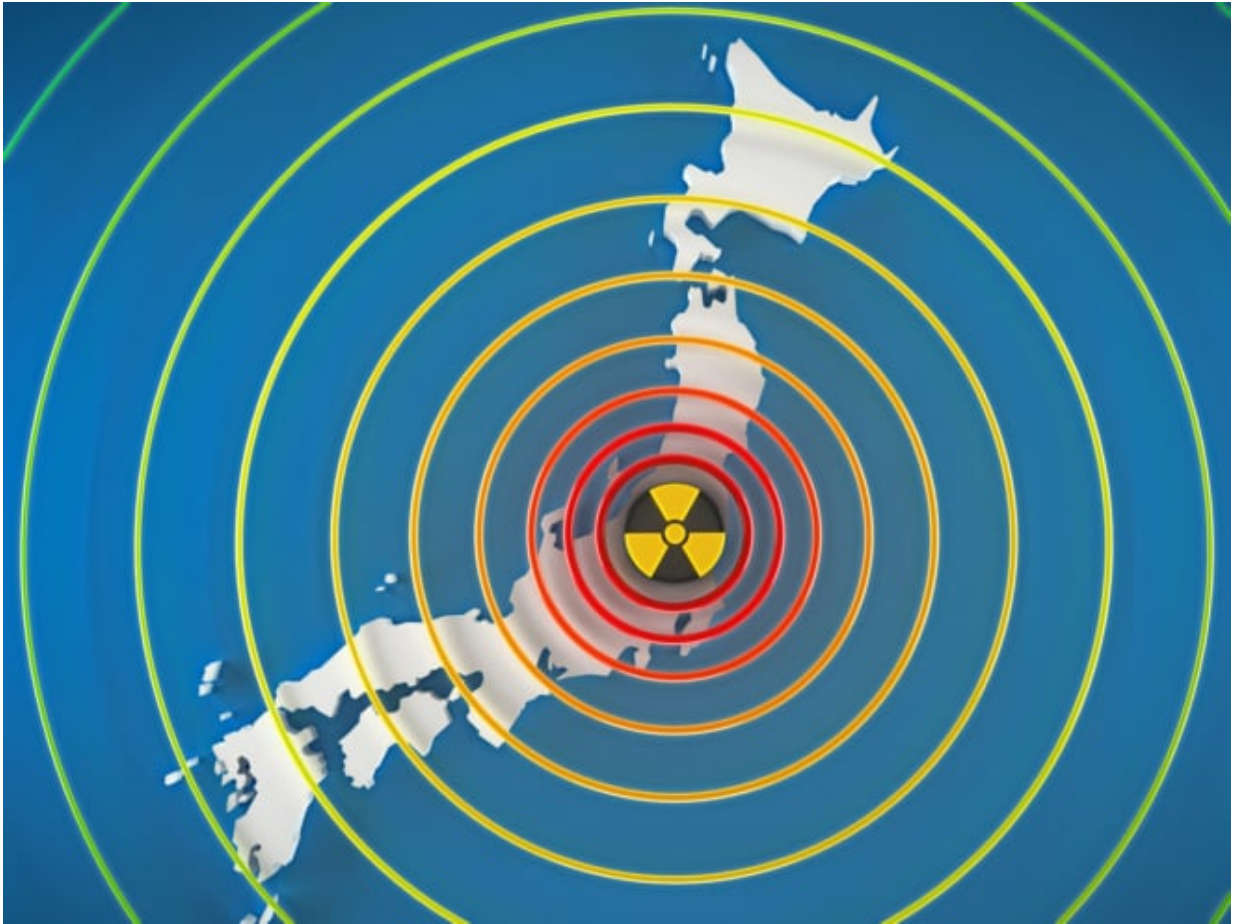
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Posted in ???, ?????????? | No Comments »

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?? ?? · Thursday, August 3rd, 2023



adventtr/iStock

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← ツイート



村本大輔(ウーマンラッシュアワー)
@WRHMURAMOTO



事故があった時、地元の人だけじゃなく日本中が被爆しますように

NHKニュース @nhk_news · 7月28日

福井県にある関西電力の高浜原子力発電所1号機が、28日午後、原子炉を起動し、12年ぶりに再稼働します

www3.nhk.or.jp/news/html/2023...

#nhk_video

高浜原発1号機 きょう午後 再稼働

AI自動音声でお伝えしています

福井

資料

▼12年ぶり再稼働 来年運転開始から50年

▼運転期間 原則40年超え再稼働 2例目

NHK 0:28

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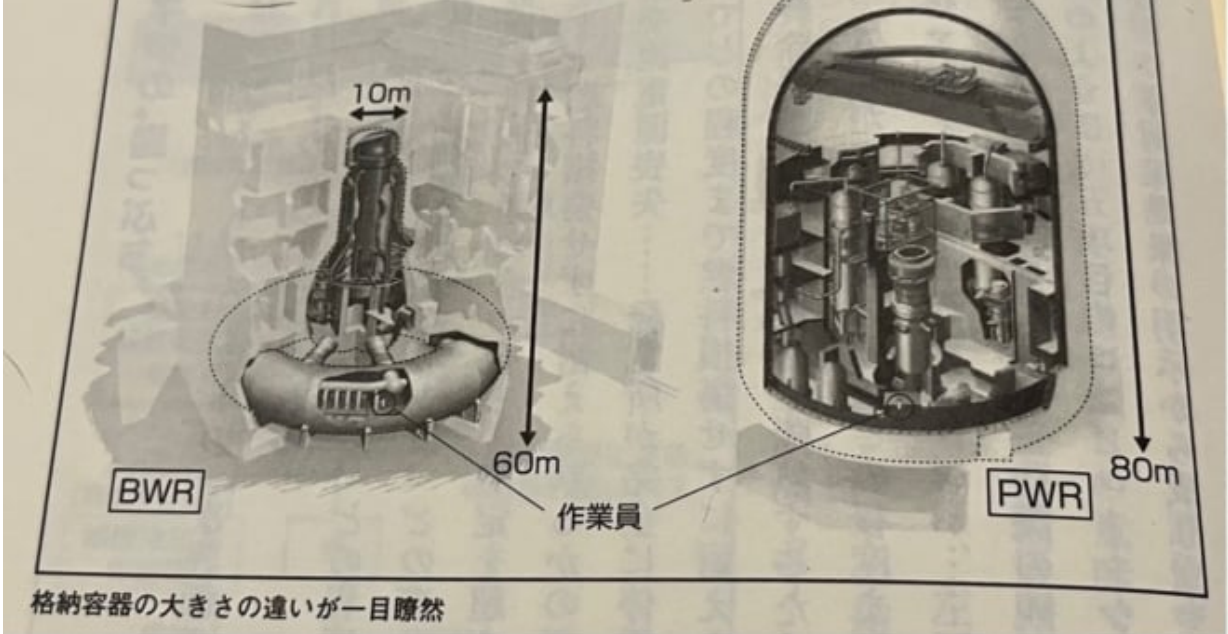
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??BWR
/Mark?I????????????????????PWR??
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第5章 原発復活への4つのカギ

BWRとPWRの格納容器の大きさ比較



格納容器の大きさの違いが一目瞭然

?????????BWR/Mark-I?????????PWR?????????

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bluejayphoto/iStock

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

????????G20????????

?? ? · Monday, July 31st, 2023

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3G20G72030150GW1TW???

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G2012COP28???

UAE??

- 2030???
- 2030???
- 2030???
- ???

G20???

G201.5???

1.5???

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

IPCC AR6

?? ?? · Sunday, July 30th, 2023

2023 IPCC 1.5?? GHG 7??

3?? IPCC 6?? AR6

1.5?? GHG 7??

2040??

AR6?? GHG??

6?? AR6-SPM?? Longer Report??



NicoElNino/iStock

AR6 COP26 1.5 IPCC 2014 5
AR5 2021 1.5

2 1.5 2 2 67 1.5 5
0 1.5

1.5 2 1.5 1.5 5
1.5 2 1.5

1.5 2 67
IPCC 1.5

AR 6-
SPM GHG

1.5 2019 500 CO₂e 1150
21²

2020 50 GHG 1.5 10 23 7

IPCC 1.5 2 0.5
650

AR 6-
SPM Table SPM.1 2050 2019 64 2030
21 2070 Table

SPM.1 1.5 2030 43 2050 84 22²

1.5 1.5 50 1.5
0.2 0.3

AR6 1.5 1.7 1.8 1.5
500 500 1.5 1150 2 825
825 GHG 1.5

AR6 1.5

1.5

AR6-SPM?C.2.4

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AR6-SPM?C.2.4
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1.5

1.5 AR6-SPM?P26



1.5
24

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1.5
IPCC AR6
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2030?21 GHG AR6-SPM?C.2.4

1.5 30?43?50?84 AR6-SPM?C.2.5



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59

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AR6
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IPCC

AR6
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?3?AR6.SPM?C.2.4?“Even without accounting for all the benefits of avoiding potential damages the global economic and social benefit of limiting global warming to 2°C exceeds the cost of mitigation in most of the assessed literature” (medium confidence)

?4?AR6-SMP P26 ??50?“The evidence is too limited to make a similar robust conclusion for limiting warming to 1.5°C. Limiting global warming to 1.5°C instead of 2°C would increase the costs of mitigation, but also increase the benefits in terms of reduced impacts and related risks, and reduced adaptation needs.”

?5?AR6.SPM C.2.5: “Ambitious mitigation pathways imply large and sometimes disruptive changes in existing economic structures, with significant distributional consequences within and between countries.”

?6?AR6-SPM E.1.3: “Strengthened and coordinated near-term actions in cost-effective modelled global pathways that limit warming to 2°C (>67%) or lower, reduce the overall risks to the feasibility of the system transitions, compared to modelled pathways with relatively delayed or uncoordinated action.”

Posted in ???, ????? | No Comments »

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?? ? · Saturday, July 29th, 2023

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Posted in ???, ????? | No Comments »

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?? ?? · Thursday, July 27th, 2023



JaCZhou/iStock

?????CO2????????????????????2023?7?4??Enrico Mariutti????????????????????????????????The Dirty Secret of the Solar Industry???

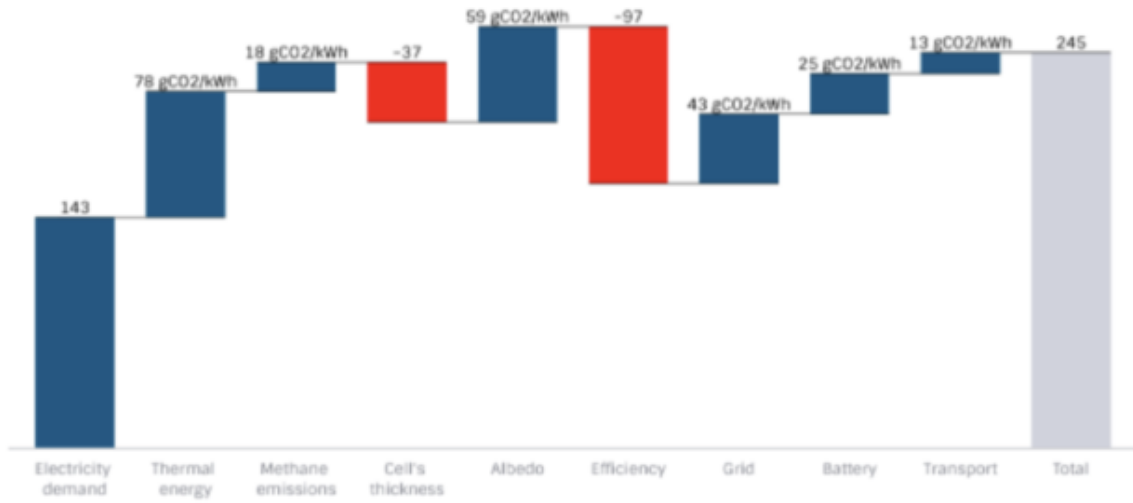
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??CO2????????????????kWh????245gCO2????????????1?

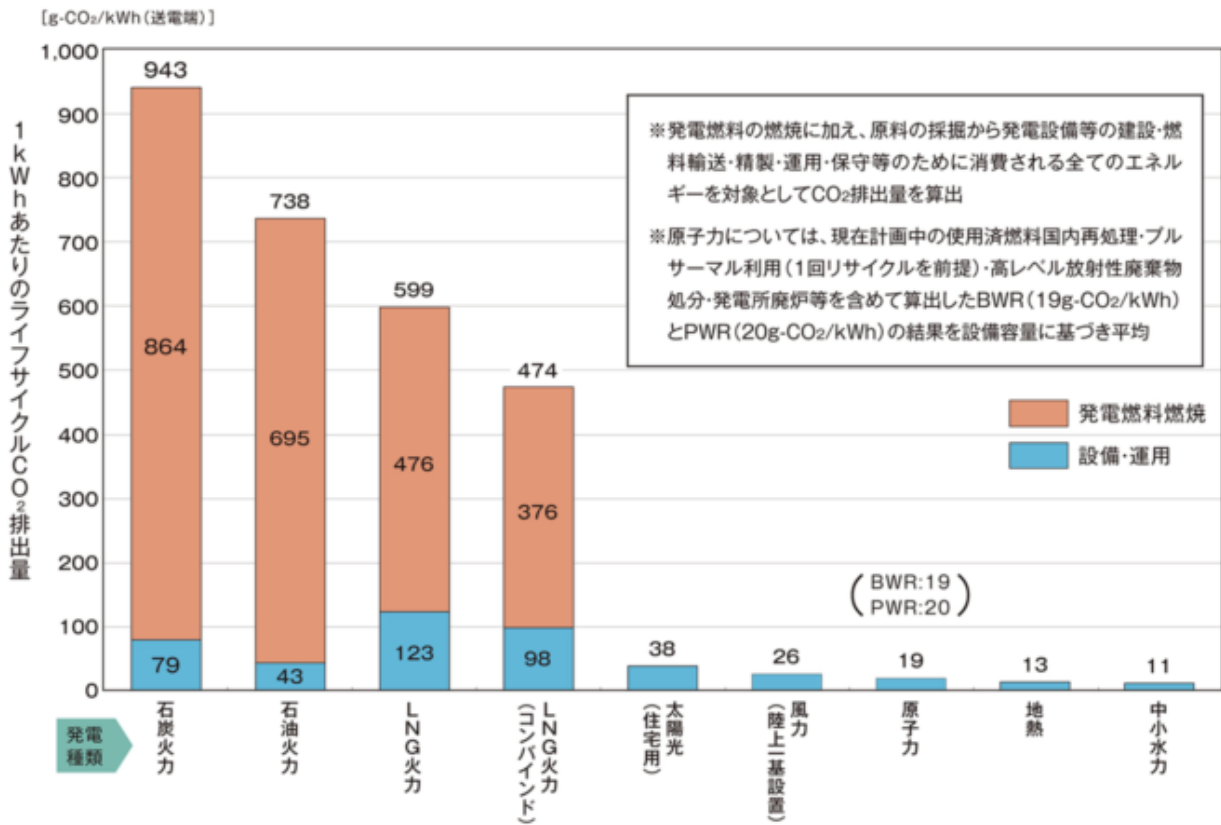
2022
Carbon intensity, Worst Scenario



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??CO2??CO2????????????
245????????

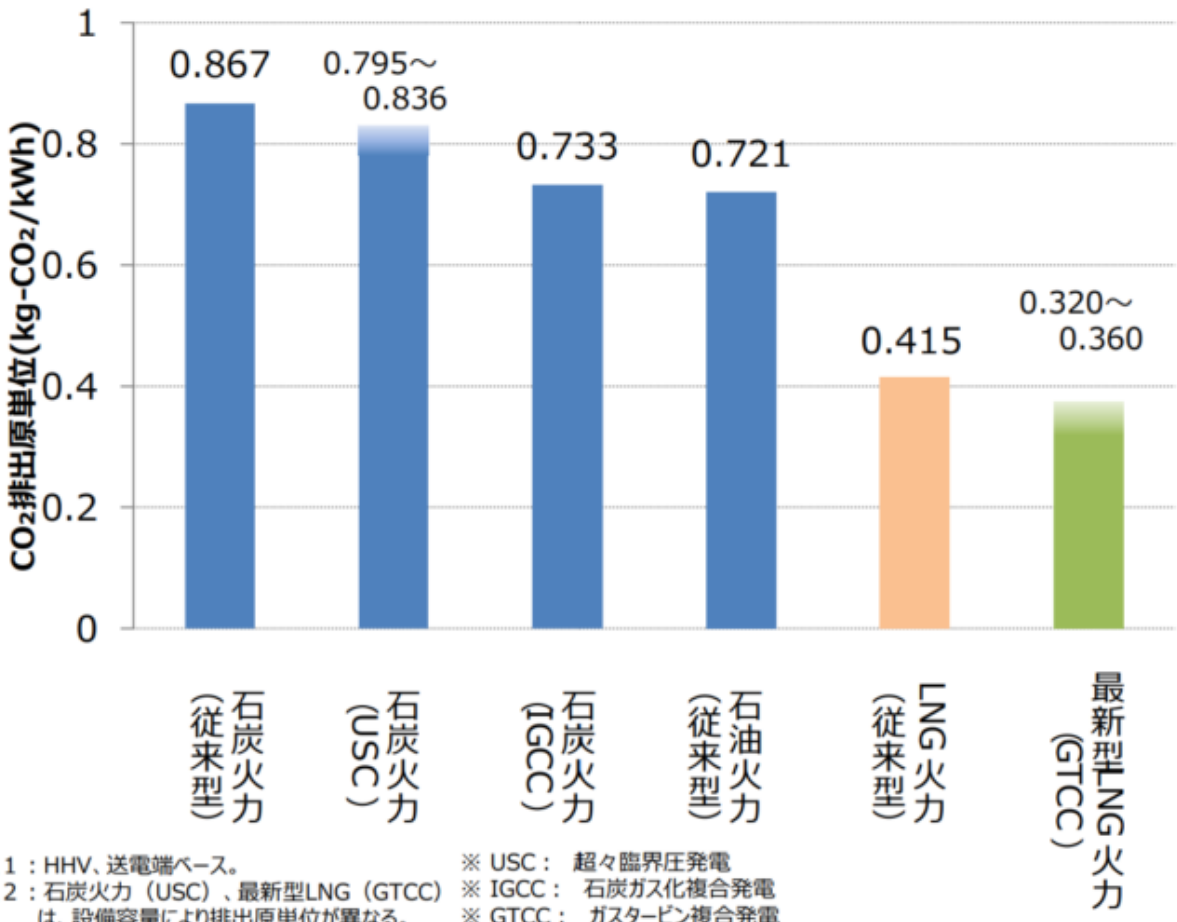
??1kWh??245??2016????????????????????????
?????kWh??38????????????2??????????



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CO2 9

1kWh 245 CO2 2022 LNG CO2 1kWh 320 360



3

CO2

Vertical text block containing multiple lines of text, possibly a list or detailed notes.

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“????????20??CO2??”

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??CO2??

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Posted in ???, ????? | No Comments »

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

?? ?? · Friday, July 21st, 2023

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



jetcityimage/iStock

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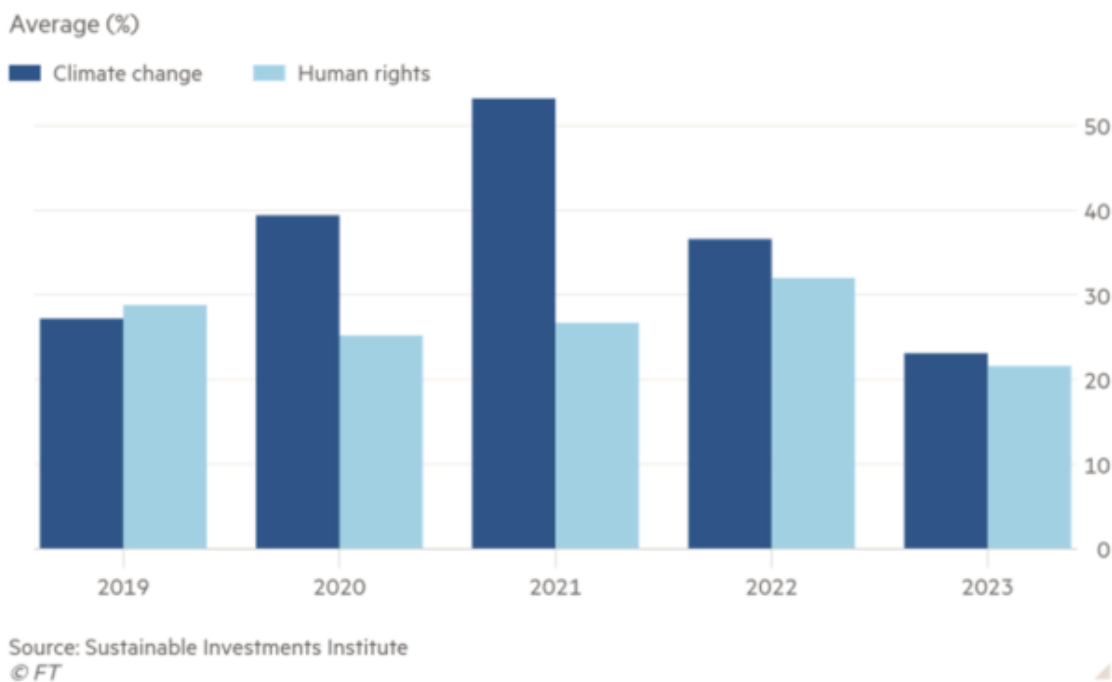
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Investor support drops for environmental, social issues at US companies



FINANCIAL TIMES??

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4?12??EPA??2032????????????????????
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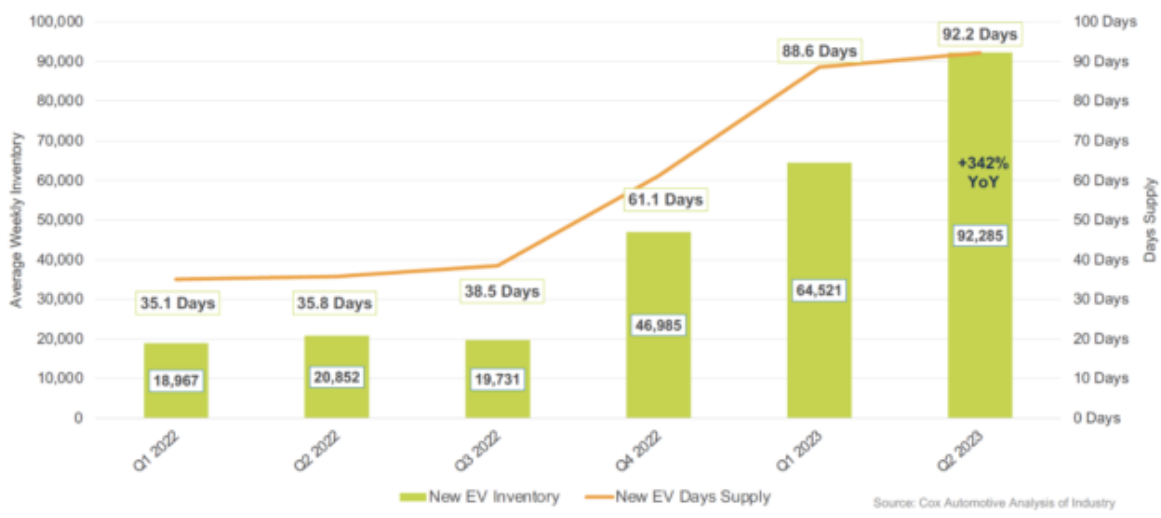
????????????????????EV????????????????????????????????????JD????????????????EV????????????????????
 ???3????????????????21??EV????????????????????????????????1??17.8????????

???10????EV??
 ?????????????????EV????????????

2023 Cox Automotive Mid-year Review????????2023??2????????????????????????????????
 92,000????????????2022??2????????342% ????????

NEW EV INVENTORY & DAYS' SUPPLY ESTIMATES

EV inventory is having a "Field of Dreams" moment – and days' supply follows



COX AUTOMOTIVE

Source: Cox Automotive Analysis of Industry

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

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

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?? ? · Thursday, July 20th, 2023

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NickS/iStock

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**Nobel Physics Laureate 2022 Slams ‘Climate Emergency’ Narrative as ‘Dangerous
Corruption of Science’**

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2????CO2?????????2ppm?????????4????40????????????CO2????????IPCC????????
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Posted in ???, ????? | No Comments »

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?? ?? · Wednesday, July 19th, 2023



Max Lirnyk/iStock

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Electric Vehicles for Everyone? The Impossible Dream??

????????????????????BEV??ICE??BEV????????
????????????????ICE????????????????HEV??

EV??I
CE????EV????????????????????????????????

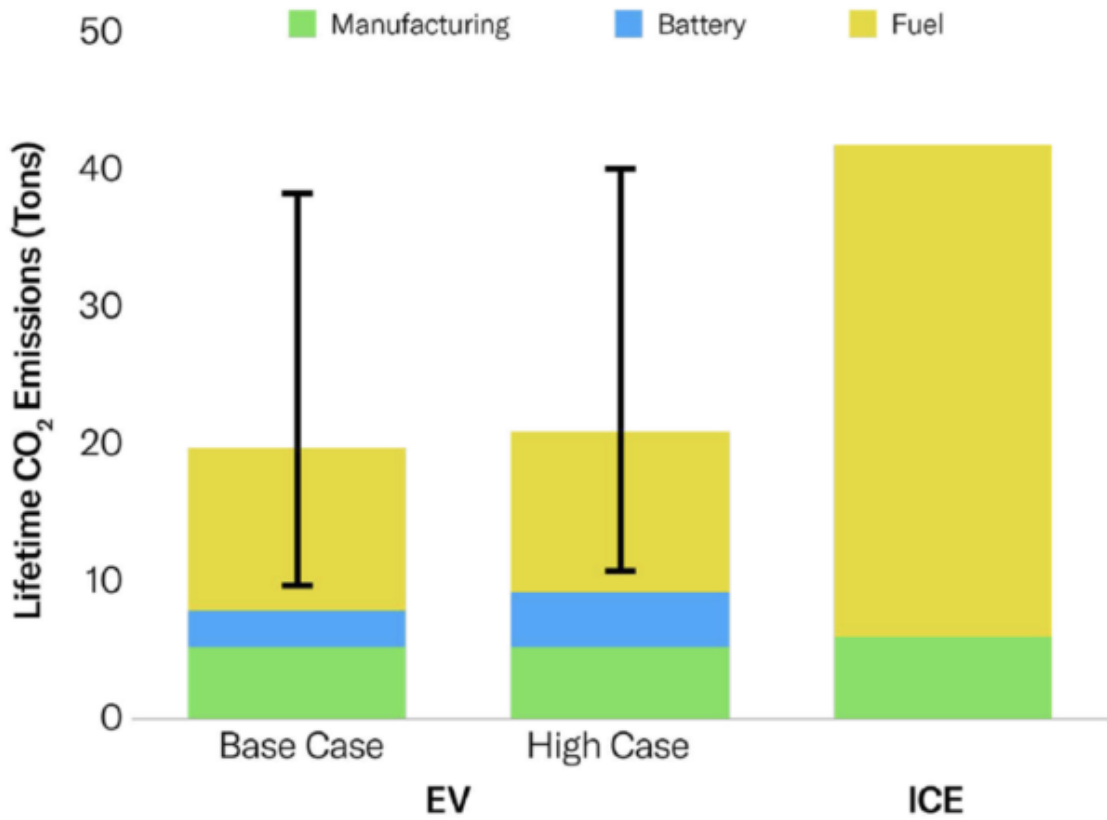
?????2??????CO2????????EV????CO2????????????????????

??1?CO2

??BEV????ICE????????????CO2????????????????

Figure 3

Estimated Life-Cycle Emissions for EVs vs. ICE Cars, per IEA



Source: IEA, "The Role of Critical Minerals in Clean Energy Transitions"

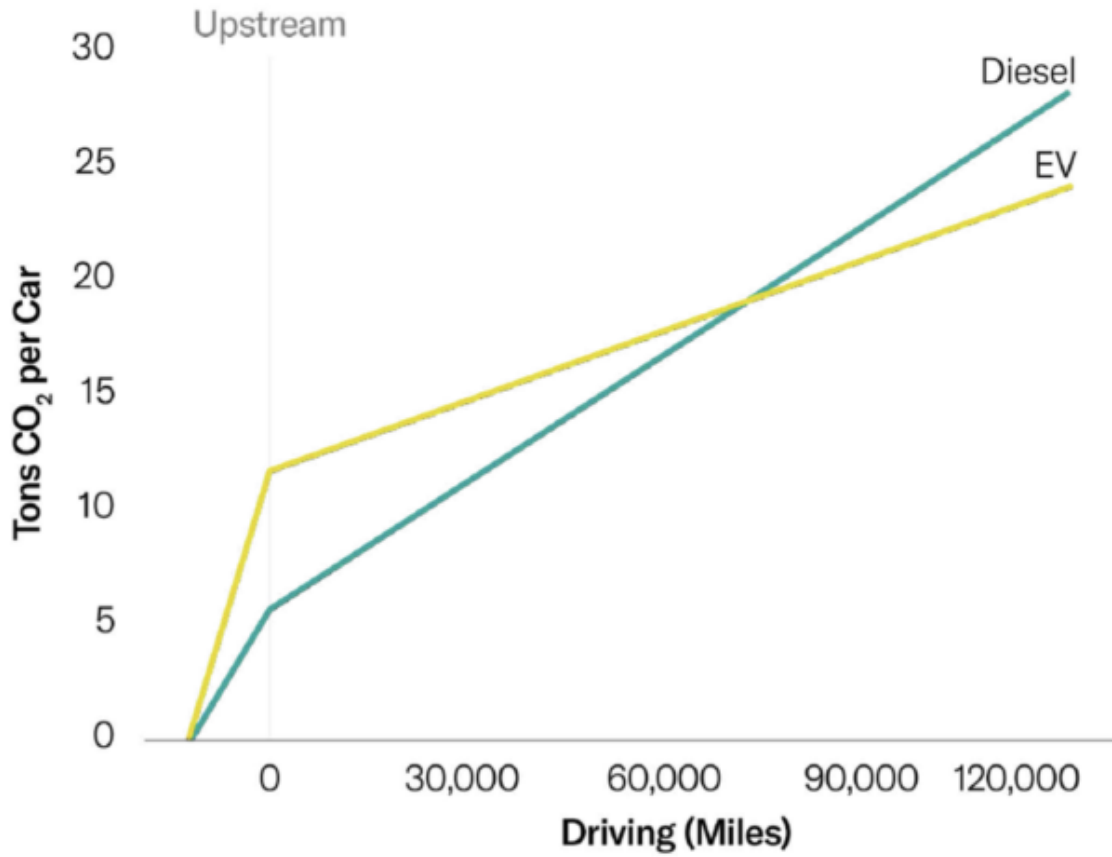
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????IEA??
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????????ICE?EV????????CO2????????????6????????????????????????EV????CO2????????????????
??EV????????????

Figure 4

Life-Cycle Emissions: Volkswagen EV vs. Diesel



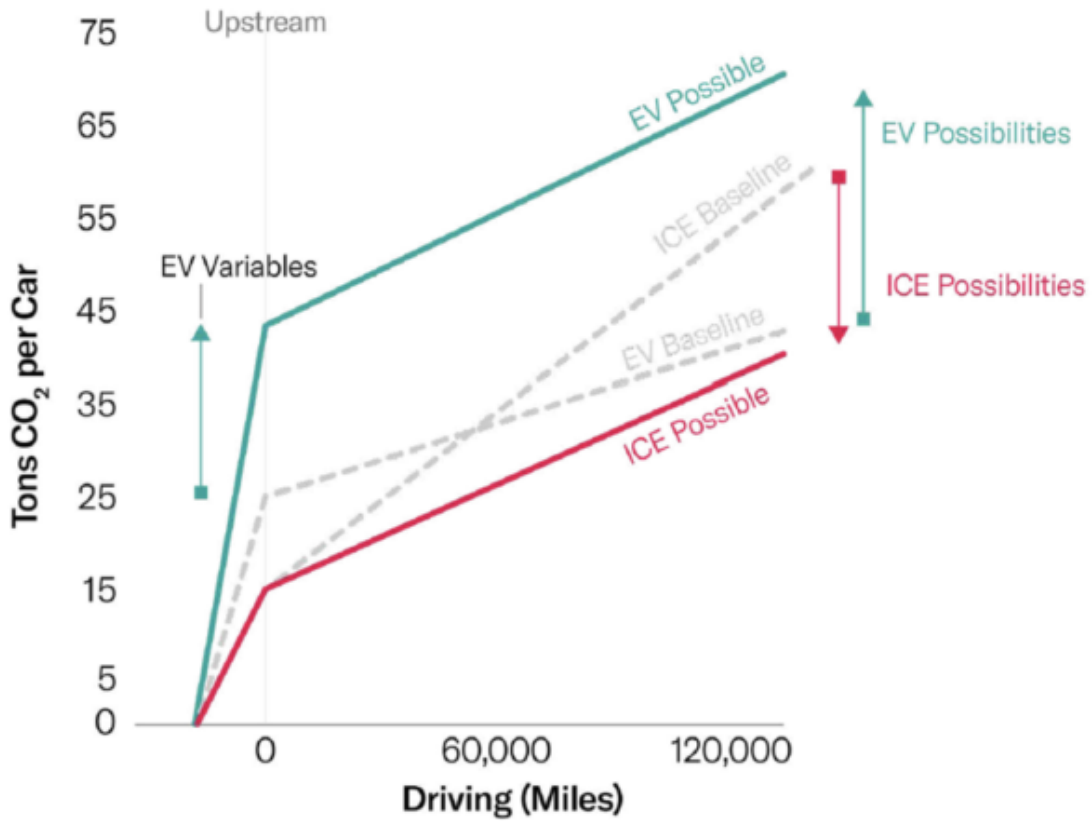
Source: Maciej Neugebauer, Adam Żebrowski, and Ogulcan Esmer, "Cumulative Emissions of CO₂ for Electric and Combustion Cars: A Case Study on Specific Models," *Energies*, Apr. 6, 2022

????????????????EV????????????????EV????CO2????????????????????????????????ICE????????????
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????????????????EV????????CO2????????????ICE????????????????????????????????????12????????
 ?EV???ICE???CO2????????????????????????????????

Figure 6

EV vs. ICE CO₂ Emissions: Scenarios with Known Unknowns



Source: Author's calculations from multiple data sources in this report; see Appendix

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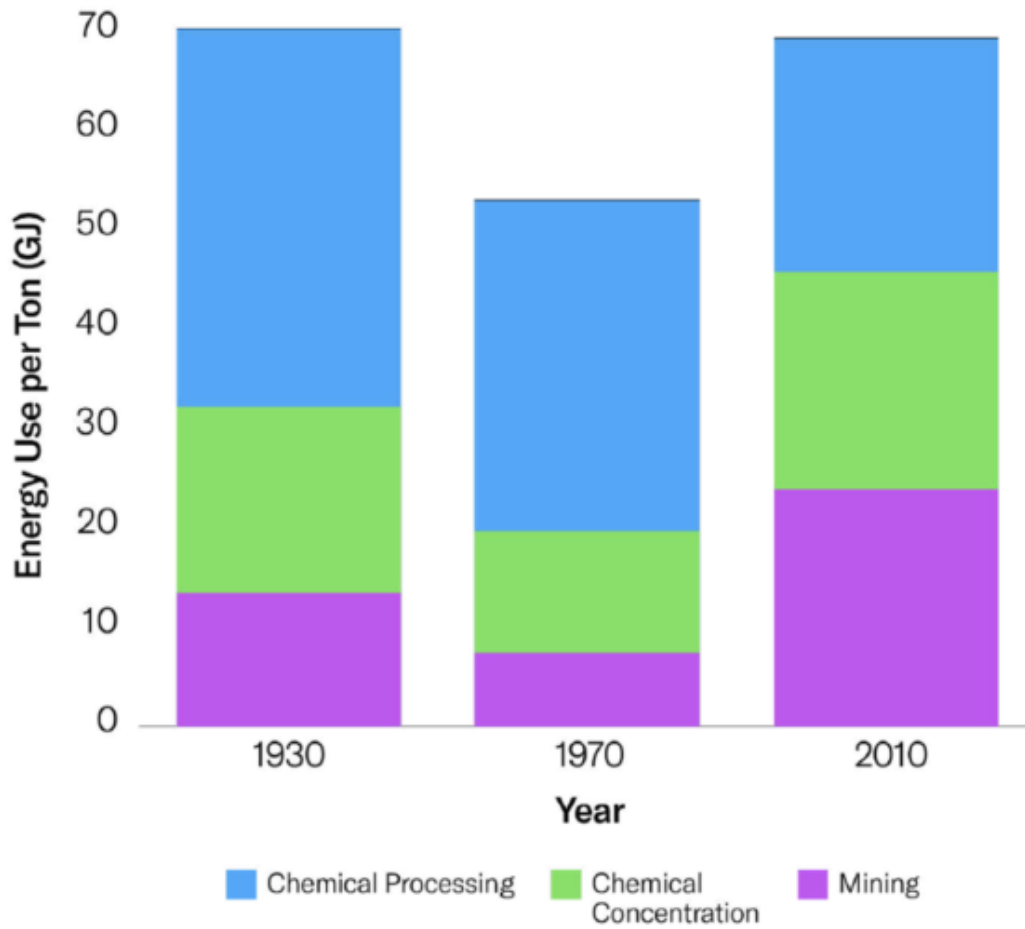
CO₂?????????1????????????????? EV??ICE????????????????????????????????

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Figure 10

Copper Production: Technology Trends in Energy Use per Ton



Source: Nadine Rötzer and Mario Schmidt, "Historical, Current, and Future Energy Demand from Global Copper Production and Its Impact on Climate Change," *Resources* 9, no. 4 (April 2020)

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??ICE?HEV????????????????????
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?????EV???EV????????????????????ICE??EV??
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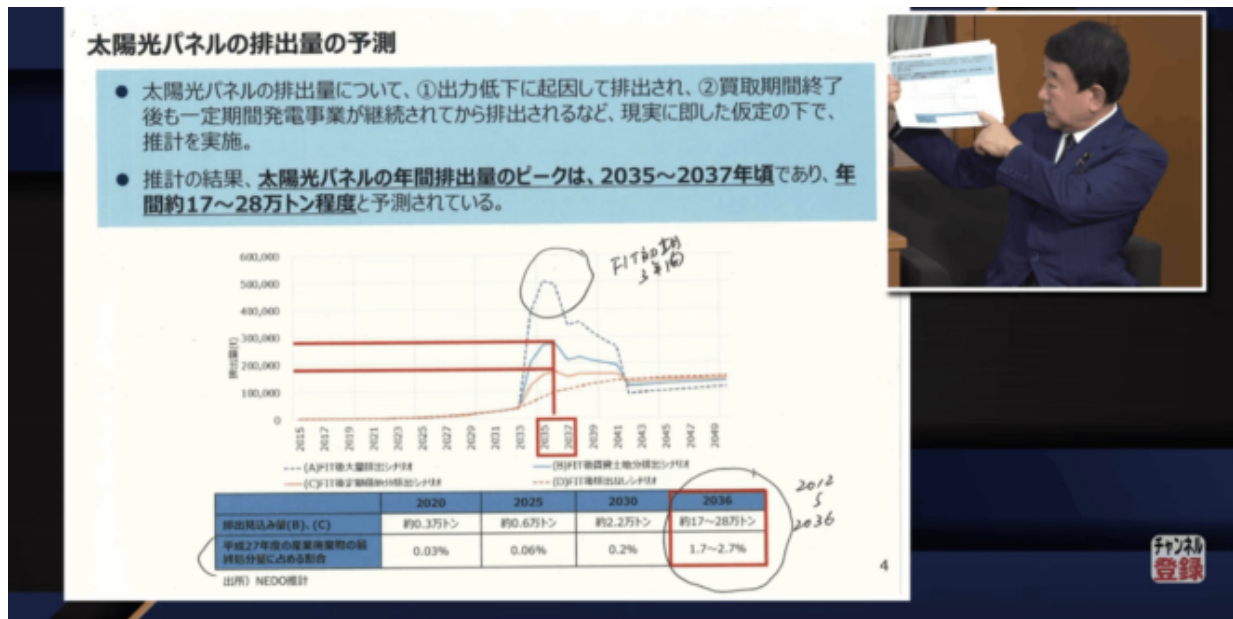
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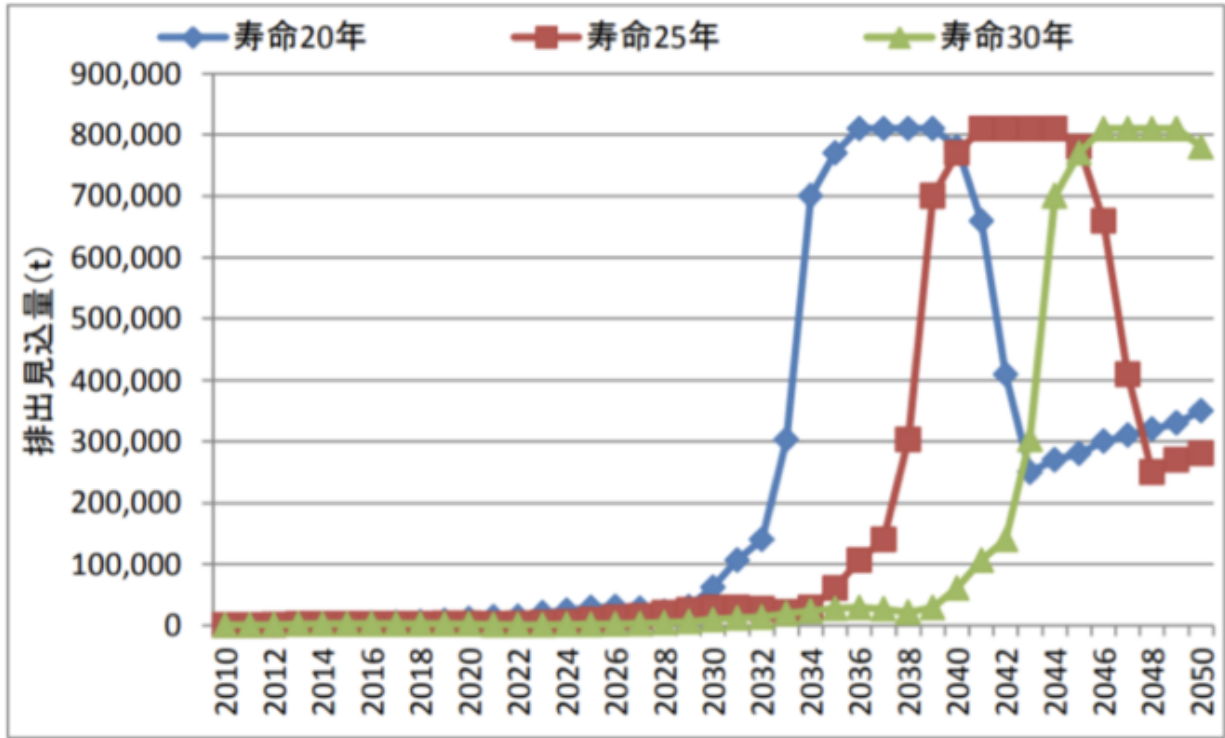


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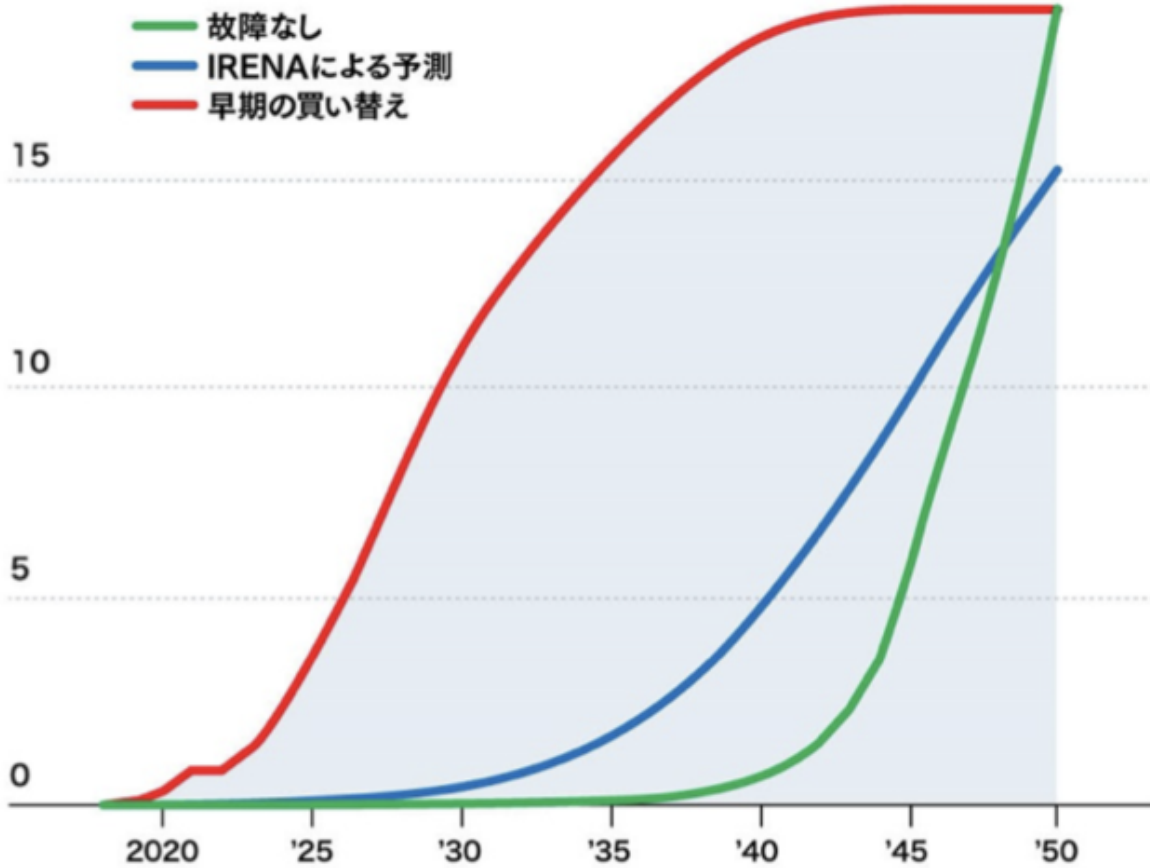
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廃棄物の累計
 (発電容量ベース)

20ギガワット



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