

EU



EU



EU

EU 2026

EU

EU-ETS

EU-ETS

EU-ETS



J- CO2 kWh

CO2

NGO CO2

COP27 2023 13



2050 2030 CO2 1 2 3

EU

2026 2023 2023 10 11 2025 2026

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2022 GX 2023 10 2023 9 19 188

9



CO2

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

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?? ?? · Tuesday, October 3rd, 2023



KEN226/iStock

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?? ?? · Monday, October 2nd, 2023



metamorworks/iStock

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Dialogue?Openness????????????????

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

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?? ? · Sunday, October 1st, 2023

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

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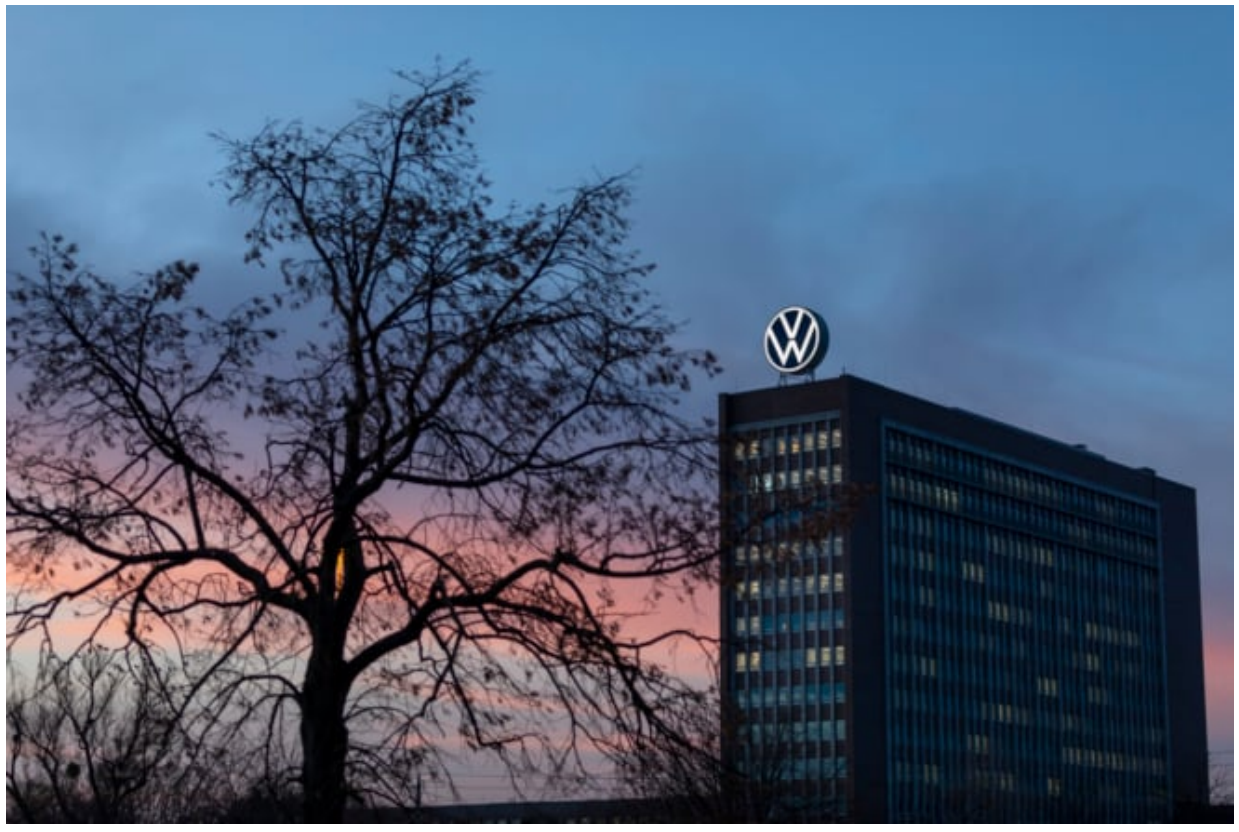
?? ?? · Friday, September 29th, 2023

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Ilari Nackel/iStock

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?4?????????????http://www.de-info.net/kiso/wirtschaftspltk00.html#energie

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

?6??2022/08/24??????

?7????????????BMW?VW?“????”????????????????????????????????????PRESIDENT Online 2023/09/15?

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

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

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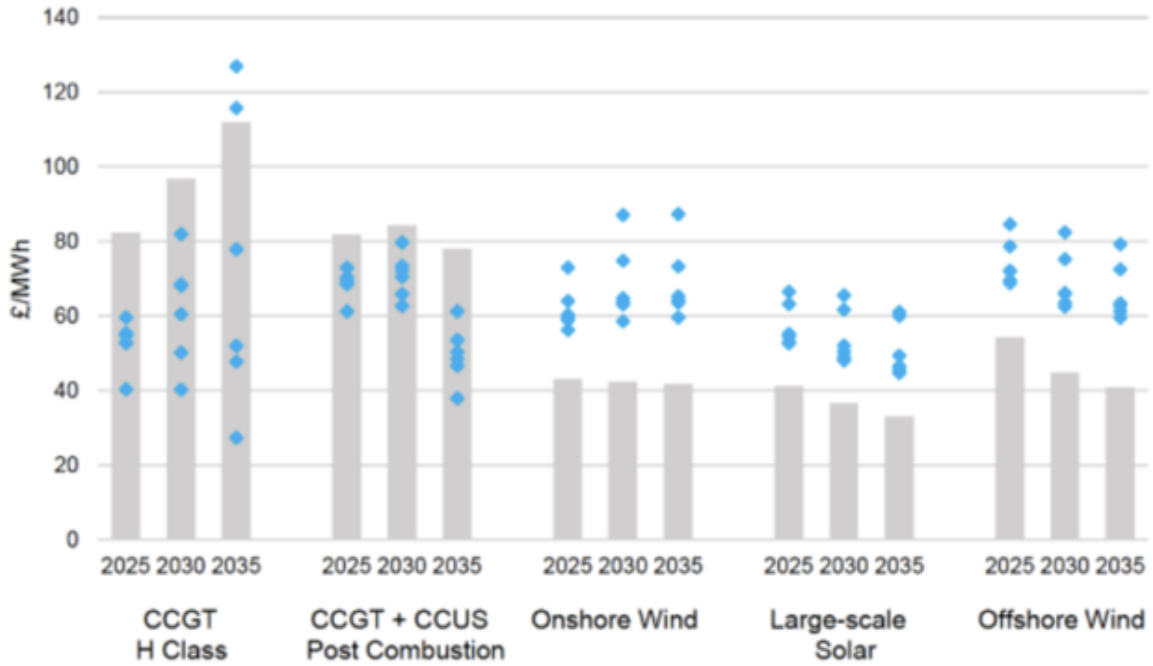
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Management Group
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Posted in ???, ????? | No Comments »



BEIS Electricity Generation Costs 2022

CCGT H Class LCOE 2025 54 £/MWh 2035 80 £/MWh

CCGT + CCUS Post Combustion LCOE 2025 54 £/MWh 2035 80 £/MWh

Onshore Wind LCOE 2025 43 £/MWh 2035 40 £/MWh

Posted in BEIS Electricity Generation Costs 2022 | No Comments »

BEIS Electricity Generation Costs 2022

21st September 2023



Maks_Lab/iStock

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

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?? ?? · Tuesday, September 19th, 2023

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

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

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



Gwengoat/iStock

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Posted in ???, ?? | No Comments »

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?? ?? · Thursday, September 7th, 2023

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axz66/iStock

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

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?? ? · Thursday, August 31st, 2023



photoschmidt/iStock

Handwritten-style text: G20 28 G20

Handwritten-style text: 68 63 66 G20 G7

Handwritten-style text: 63?

Handwritten-style text: 5 G7 IPCC 6 AR6 1.5 GHG 2025 2019 2030 43 2035 60 2030 NDC GHG LTS 1.5 2050 COP28 2030 NDC LTS 2050

Handwritten-style text: G20 100 G20 NDC 2023 2030

Handwritten-style text: 1.5 2 1.5

Handwritten-style text: [unclear]

G20 IPCC G20 2025 2019 2035 60% 2030 CO2



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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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????????????IPCC????????????1.5????????????1.5????????????
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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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??2022??1600?????????????????????????????WORLD CLIMATE
DECLARATION????????????????????

Nobel Prize winner Dr. John F. Clouser signs the Clintel World Climate Declaration

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IPCC?????63????????????????????

????????2019?9?23??500????????????????????
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- Natural as well as anthropogenic factors cause warming
- Warming is far slower than predicted
- Climate policy relies on inadequate models
- Global warming has not increased natural disasters
- Policy must respect scientific and economic realities
- CO2 is not a pollutant. It is essential to all life on Earth. Photosynthesis is a blessing. More CO2 is beneficial for nature, greening the Earth: additional CO2 in the air has promoted growth in global plant biomass. It is also good for agriculture, increasing the yields of crop worldwide.

Posted in ???, ????? | No Comments »

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?? ?? · Saturday, August 26th, 2023

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??CO2????2030?46%????????????????????????
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Posted in ??????????, ??? | [No Comments »](#)

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?? ?? · Tuesday, August 22nd, 2023



Artur/iStock

MIT CO2
"heavily
saturated" EPA

CO2

CO2

CO2

CO2 80

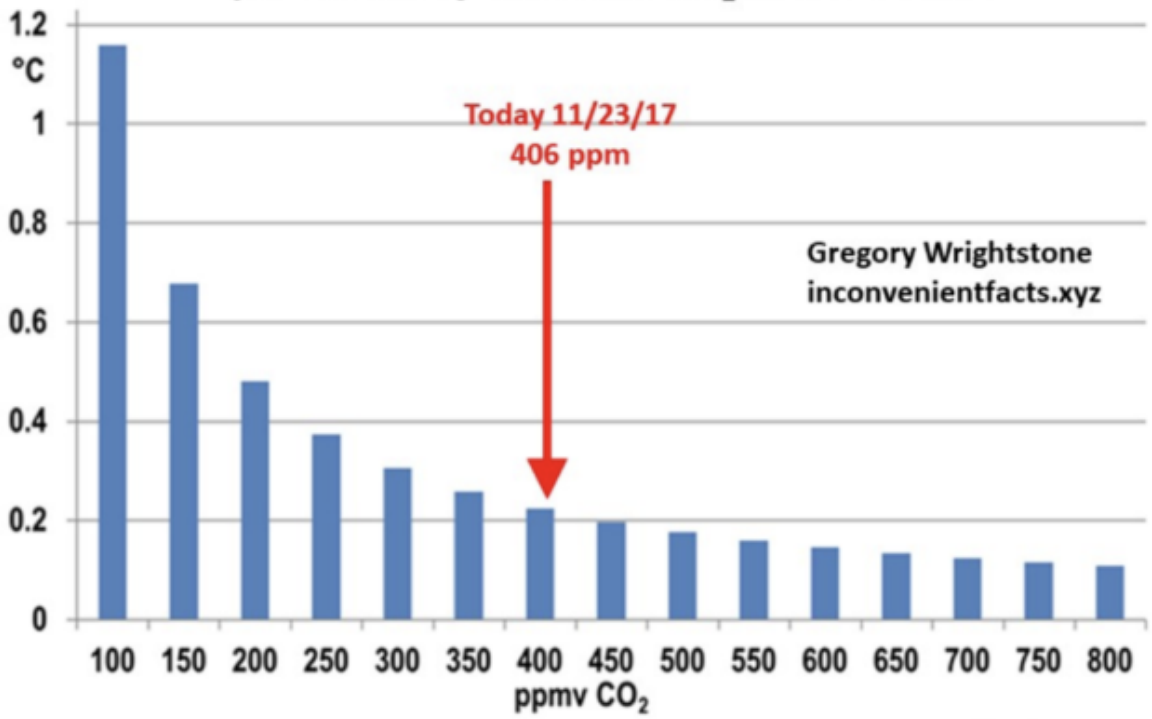
40 Gt CO2 1

CO2

CO2 "heavily saturated"

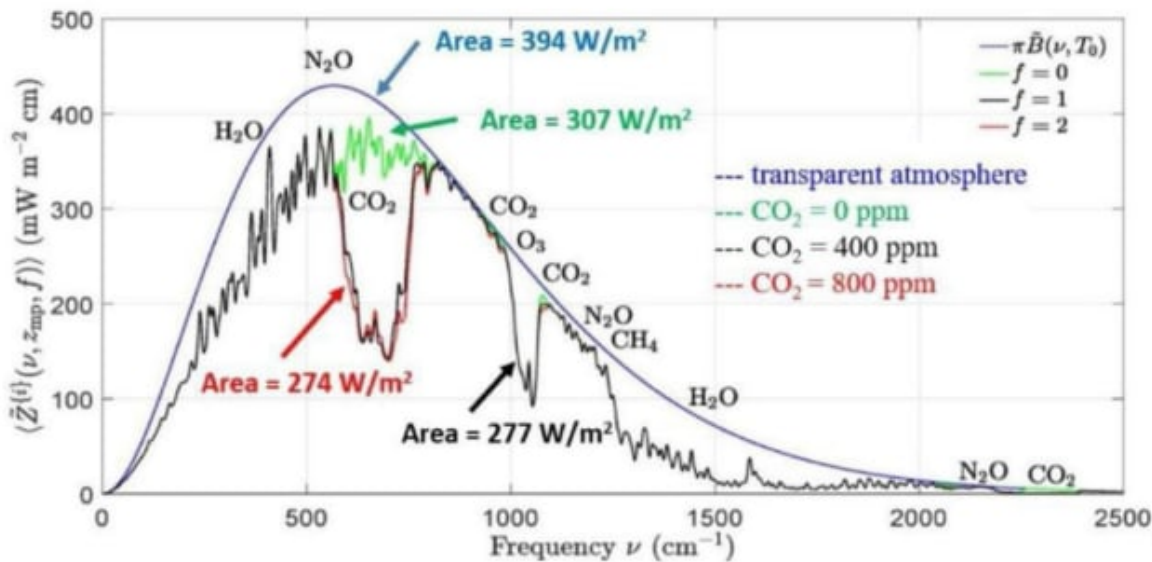
CO2 50ppm CO2 = saturation CO2 "heavily saturated"

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



????????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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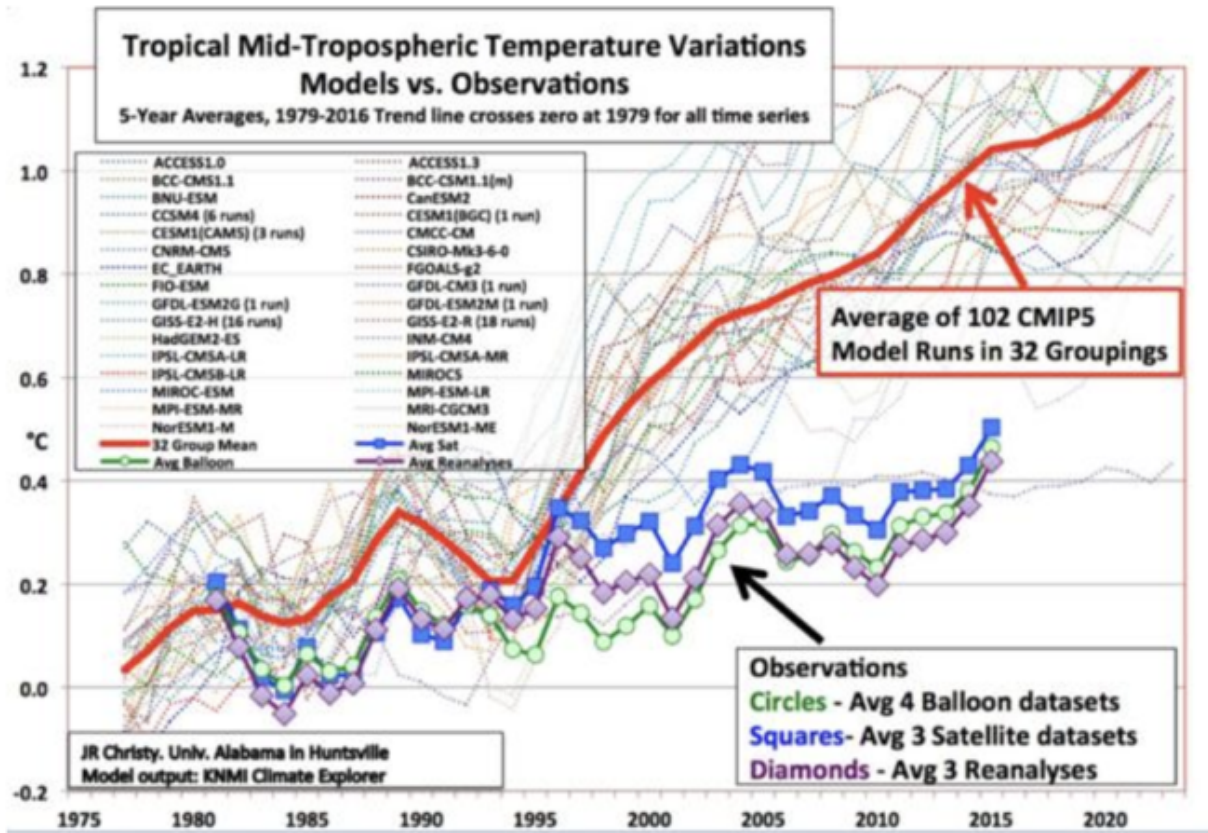
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The main conclusion of this part of the study is that even an order of magnitude increase of CO₂ in the atmosphere by human activities, which at the present rate of input is not expected within the next several thousand years, may not be sufficient 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



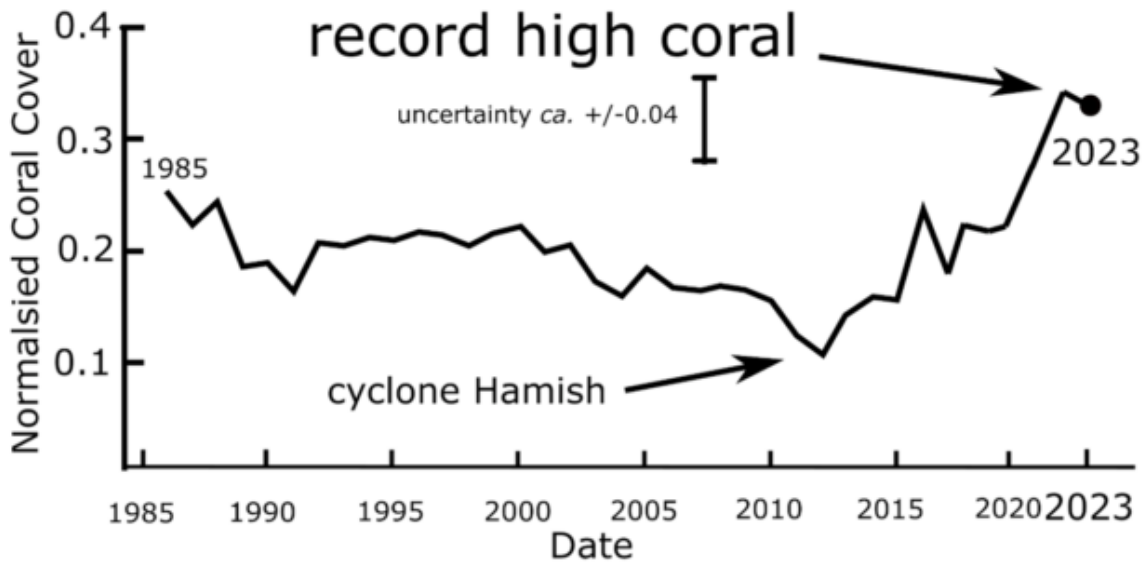
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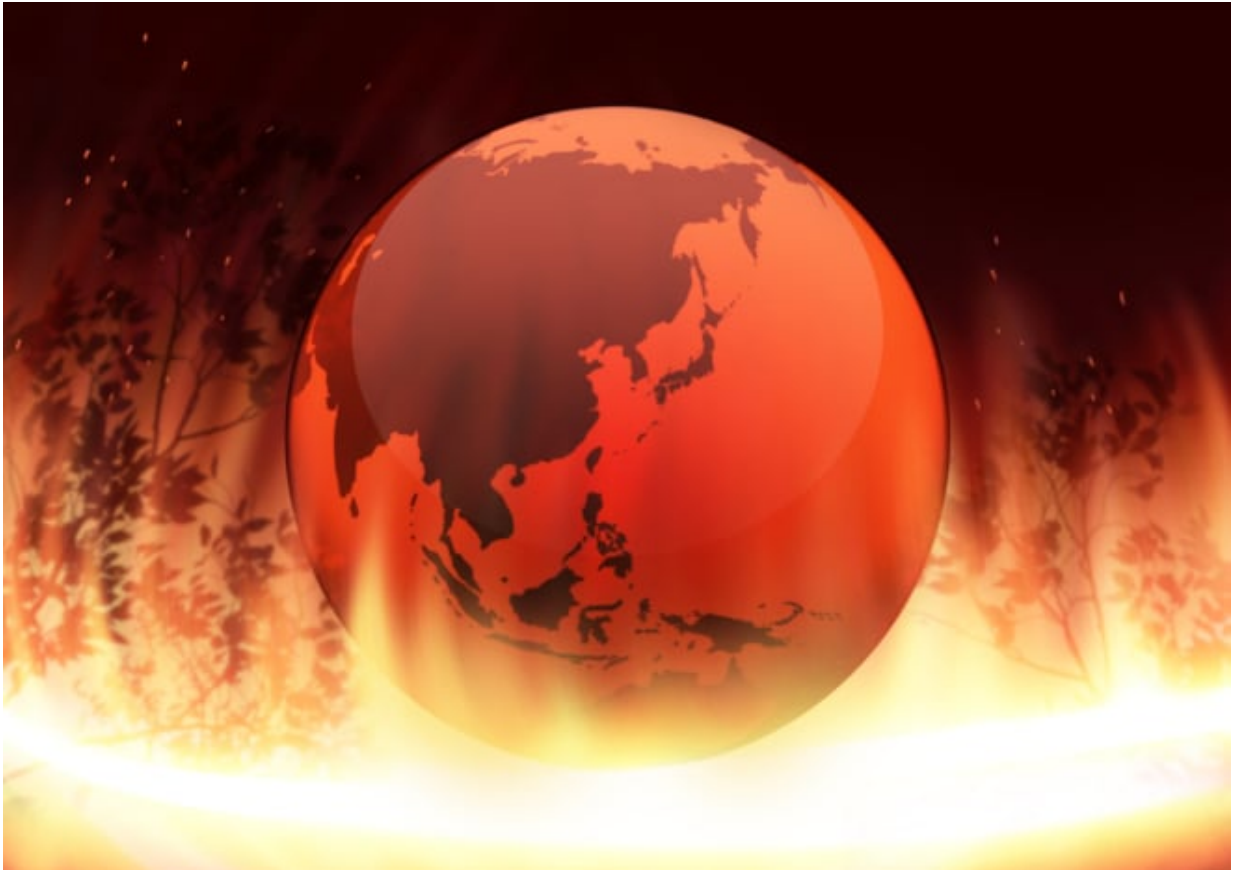
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Tr6/iStock

global warming global boiling

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2023 “”

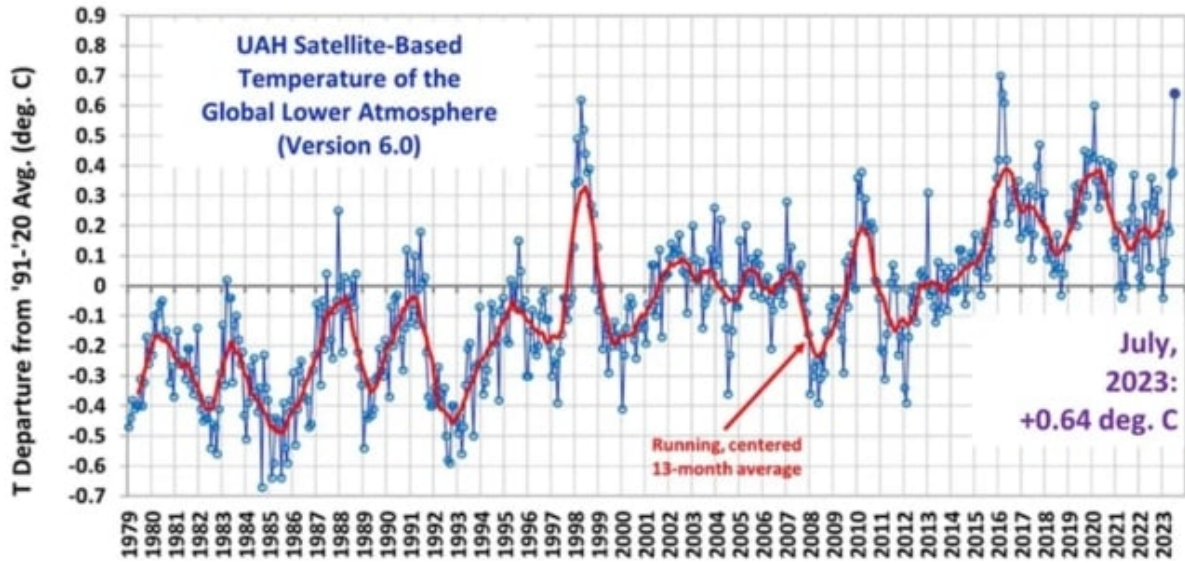
100 15 100

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Climate Etc.

9000 UAH



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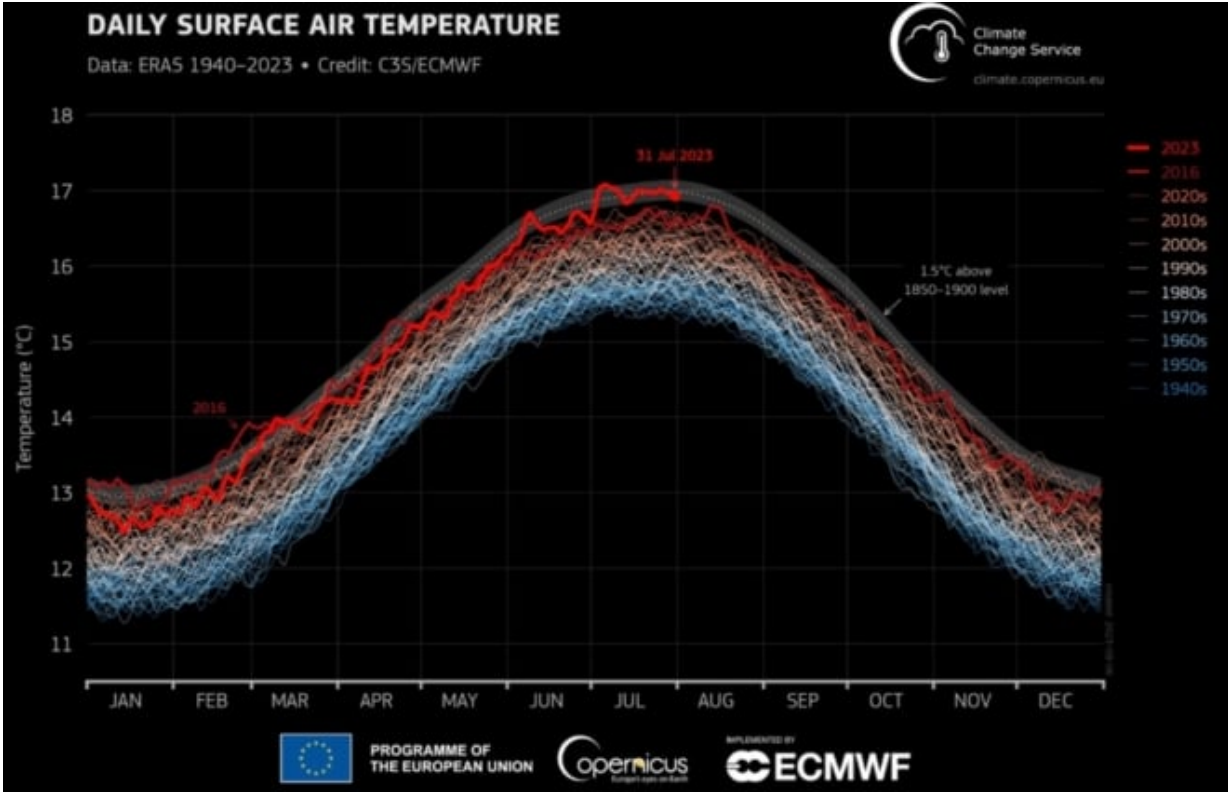
Climate Etc.

2023

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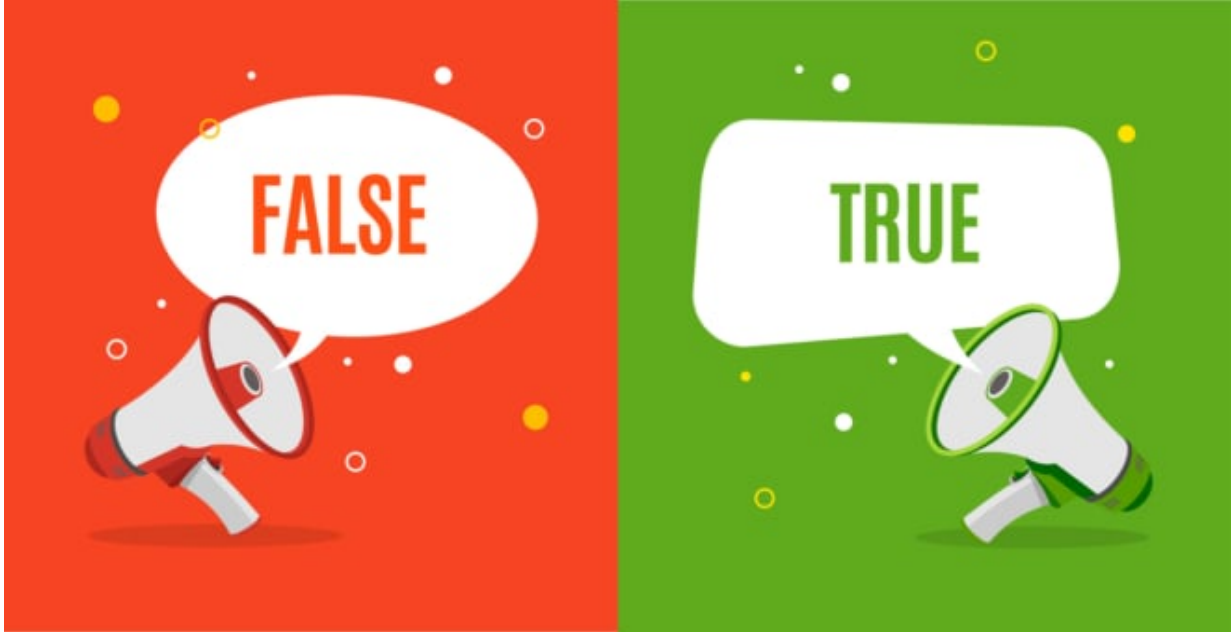
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Posted in ???, ????? | No Comments »

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?? ? · Saturday, August 5th, 2023



midwlv/iStock

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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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2-09
p.55
Table 2??

HP
Vol.44
vol.37

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949-954??
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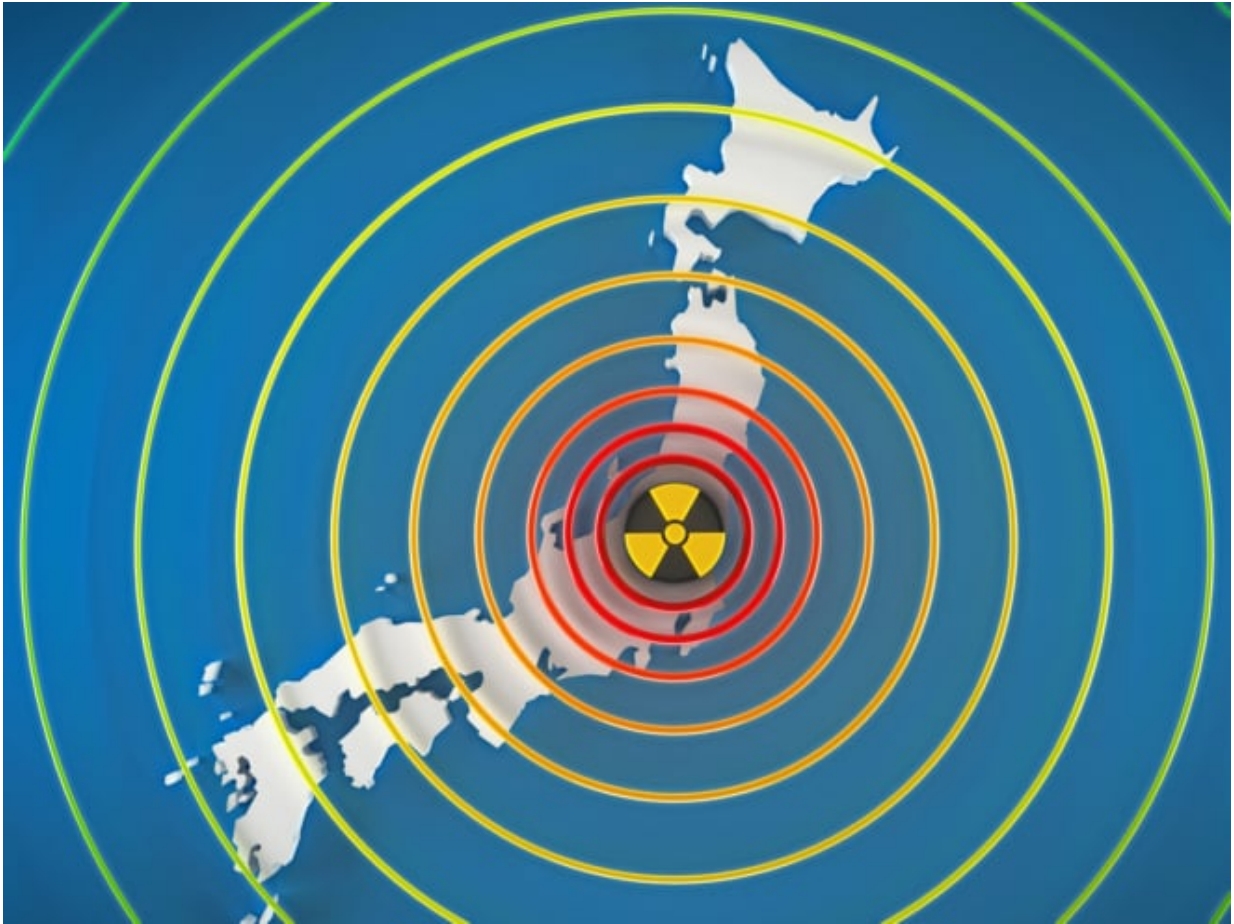
??3????????????
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Posted in [??](#), [????????](#) | [No Comments](#) »

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?? ?? · Thursday, August 3rd, 2023



adventr/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



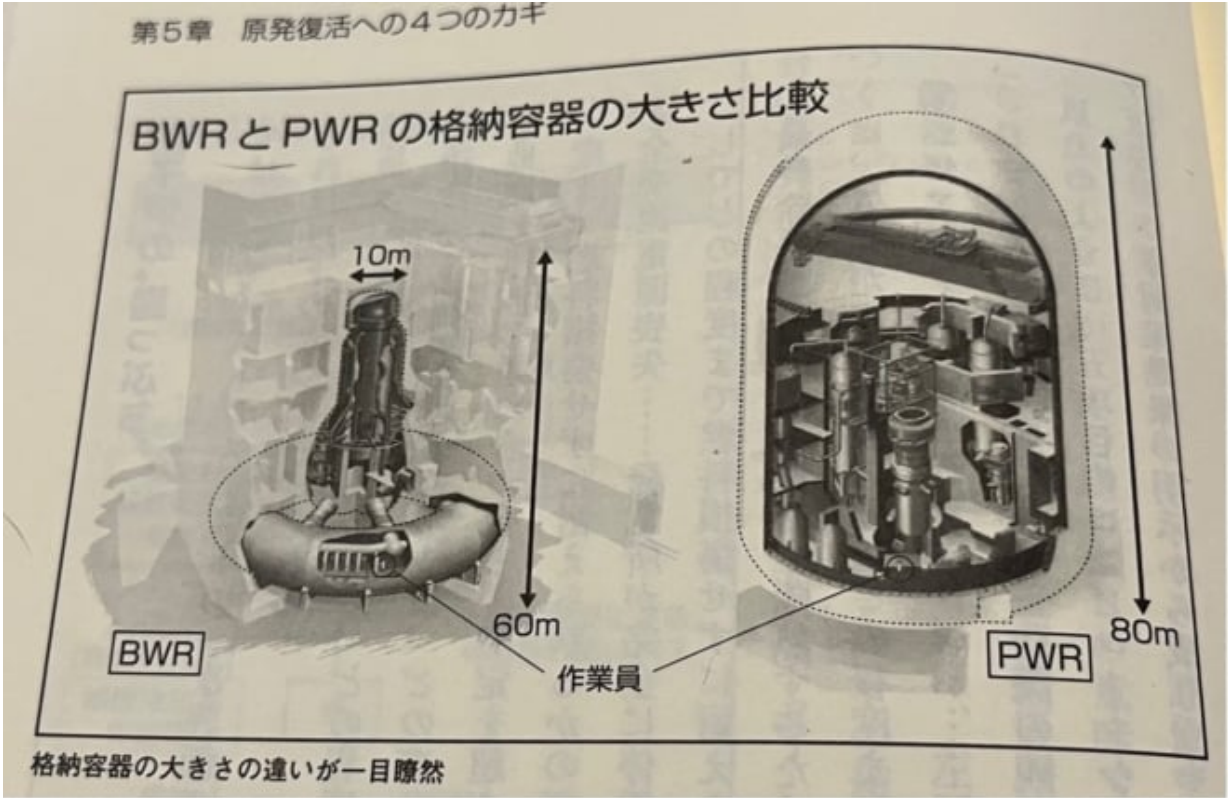
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??BWR
 /Mark?I????????????????????PWR??
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©? japan.cnet.com



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250????????5000????????250????????5000
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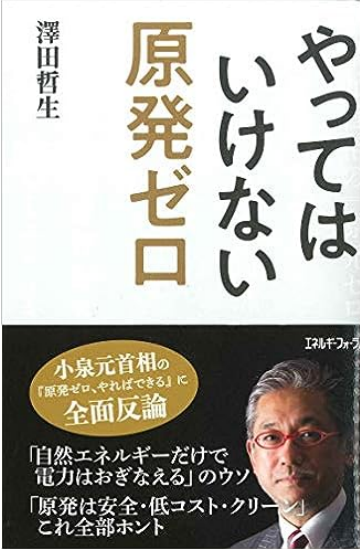
??2014??7?26? ??????? ??????? ??????? ??????? ??????? ??????? ??????? ??????? ??????? ???????
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Posted in ???, ?????????? | No Comments »

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?? ??? ?? · Wednesday, August 2nd, 2023



bluejayphoto/iStock

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7?27?????WMO??EU?????2023?7?????
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Posted in ???, ??, ????? | No Comments »

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

?? ? · Monday, July 31st, 2023

7?22????????G20??2022????????????
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NHK??

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2??

??G20????????????
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some
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1.5??2050??COP??

G7

2050??

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G7??G20??

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2030??

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3??G20??G7??2030??

COP27??

G20??12??COP28??

??UAE??

- ? 2030??
? 2030??
? 2030??
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G20??

G20??1.5??by or around mid century??G20??

1.5??

Posted in ???? | No Comments »

IPCC AR6

Sunday, July 30th, 2023

IPCC AR6 Summary for Policymakers

IPCC AR6 Working Group I Contribution to the Sixth Assessment Report

1.5°C and 2°C pathways and the need for rapid decarbonization

2040 and the need for deep decarbonization

AR6 Working Group I Contribution to the Sixth Assessment Report

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

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

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
2
39

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2
1.5

1.5 AR6-SPM?P26



1.5
24

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

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



imply??
59

1.5

AR6
67

IPCC

AR6
2
1.5

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?1?AR6-SPM?B5.2????????1.5??

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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

Posted in ???, ????? | No Comments »

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

?? ?? · Thursday, July 27th, 2023



JaCZhou/iStock

????CO2????????????????2023??74????????????????????????????????????Enrico
 Mariutti????????????????????????????????The Dirty Secret of the Solar Industry???

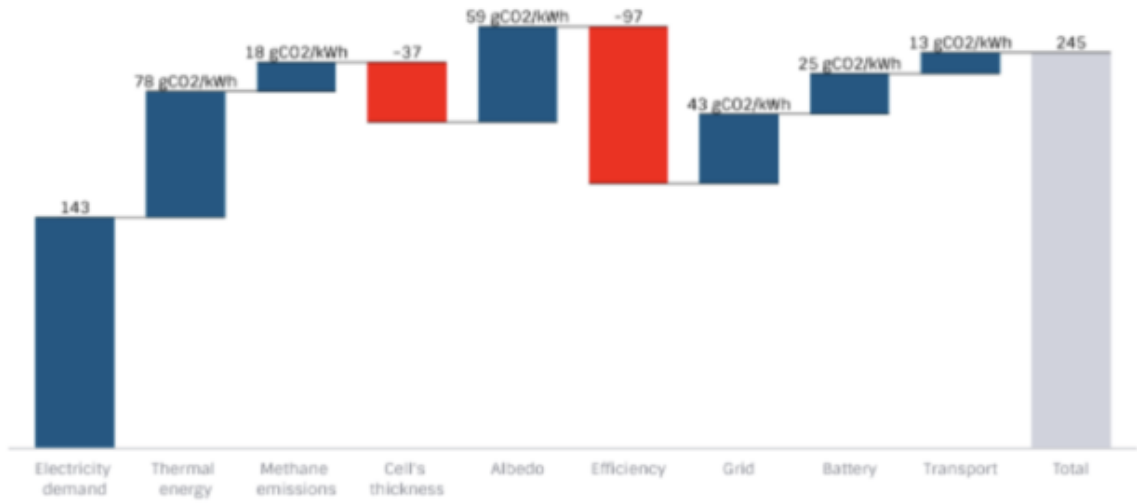
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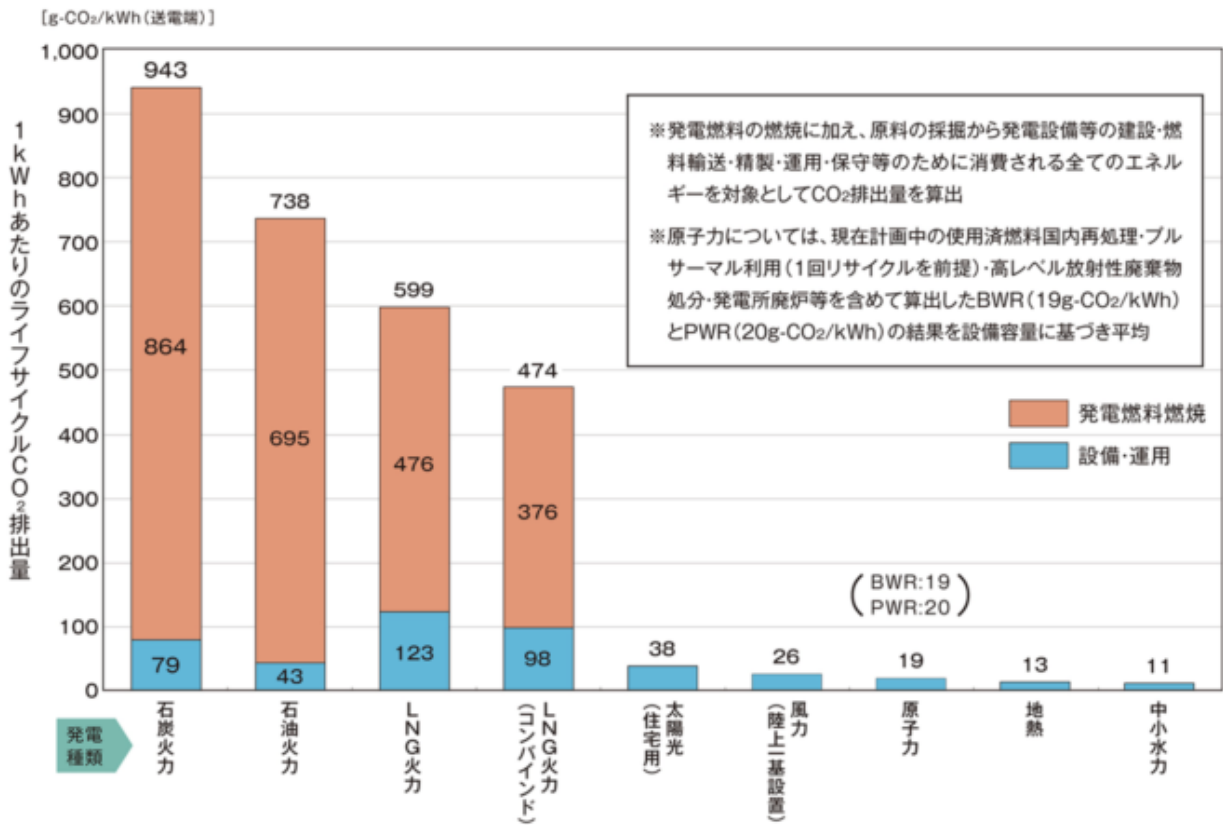
2022
Carbon intensity, Worst Scenario



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

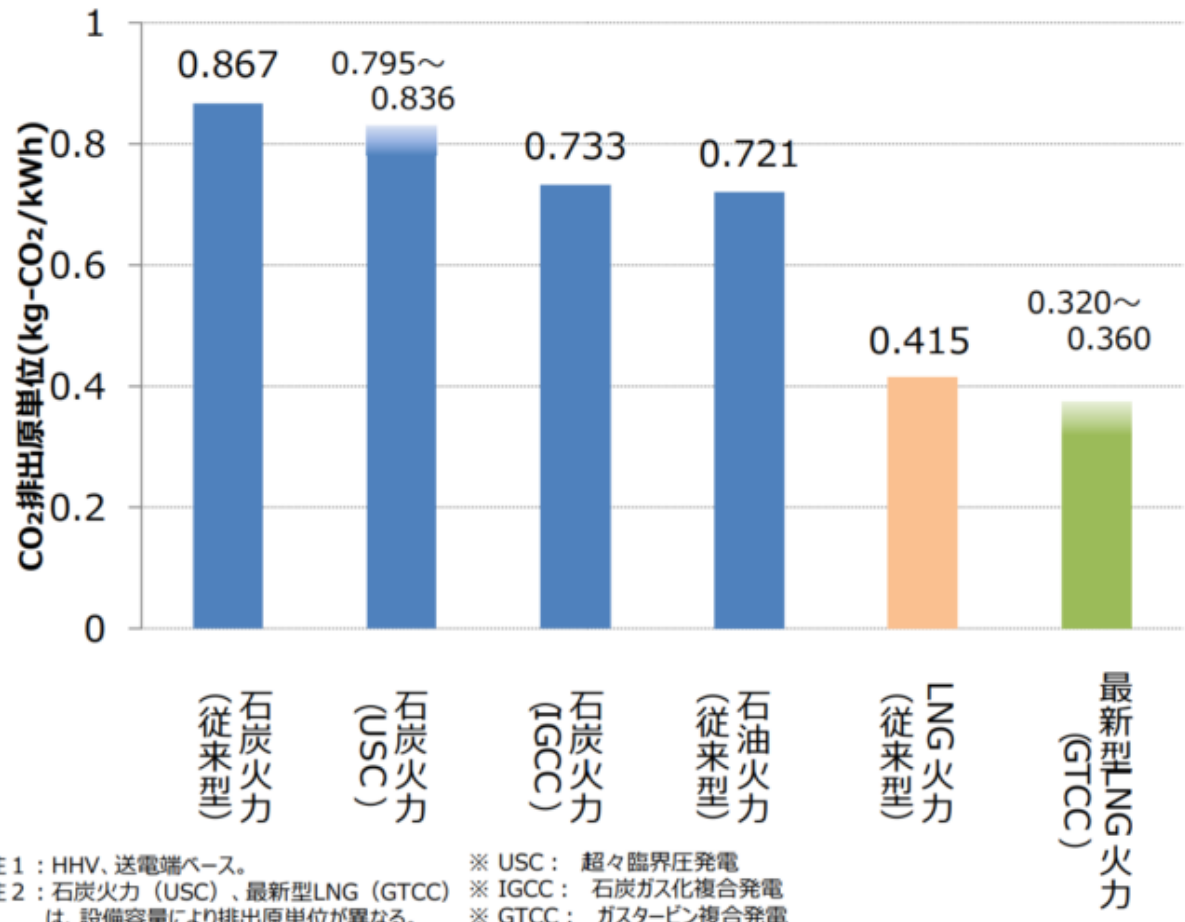
??1kWh??245??2016????????????????????????
?????kWh??38????????????2??????????



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1kWh??245??CO2??2022??
??LNG????????CO2?????1kWh??320??360????????????????3??



3??????

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Posted in ???, ????? | No Comments »

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

?? ?? · Friday, July 21st, 2023

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jetcityimage/iStock

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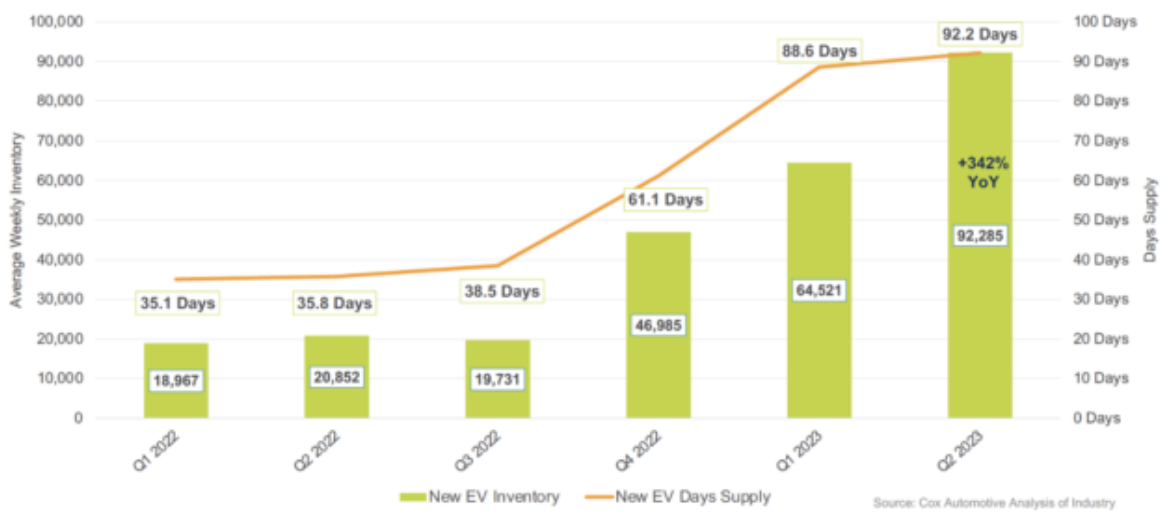
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NEW EV INVENTORY & DAYS' SUPPLY ESTIMATES

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



COX AUTOMOTIVE

Source: Cox Automotive Analysis of Industry

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

????????2050????????????????????????????????????EV??

??12????????????????????????????????????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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1??100????0.72??1979????????????????1.4
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2????CO2?????????2ppm?????????4????40????????????????CO2????????IPCC????????
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????CO2?????????5????????CO2?5?????????2ppm?????5????0.1ppm????????
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????????????CO2????????????????????????2009????????????2021????????????
????2022????????????????CO2????????????????????

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1????CO2????CO2????2????CO2????3????????
3????1????????CO2????

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