

# Global Energy Policy Research | GEPR

GEPR <http://agorajp.com/>

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?? ?? · Thursday, October 20th, 2022



1?2050????????????2030????????????

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

3???4?10?25????????????

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MadamLead/iStock

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??21??????

????????????ESG????????????????...????2022?10????????????????????????????????

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

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?SDGs????????????????????????????????

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

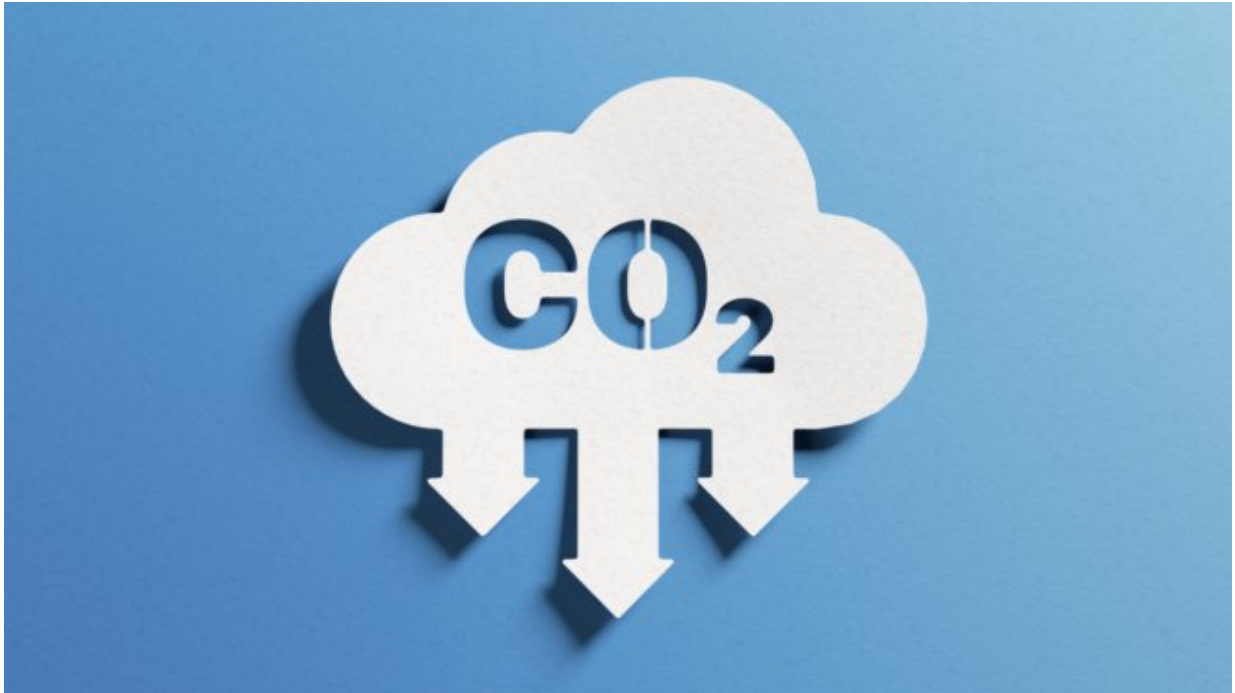
# 11??COP27????????????????????????????

?? ?? · Sunday, October 16th, 2022









NicoElNino/iStock

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????2030????CO2????2000??2000????????CO2????5775???????

1. 2000????2030???CO2????????????????????????2030????????????????????????CO2????????????????????????2000????2030??
2. ?????????????????????????????????????CO2????????????????????????????????CO2?1????????????????????6.5??????????????????
3. ?????????????????2030?????1?100??1????????????????????6????????????????????
4. ???

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1. ?????????????CO2????????????????????????????????CO2????5775??? $\times 31 = 17.9$ ????????????????????CO2????5775??? $\times 31 \times 3 \div 4 = 13.4$ ????????????????????CO2????5775??? $\times 31 \times 1 \div 4 = 4.48$ ?????????
2. ??????4.48 $\times 0.5 \div 10000 = 0.00022$ ?????
3. 100????????????????100 $\times 0.00022 \times 0.06 = 0.0013$ ????????

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1. 4.5????
2. 0.00022??



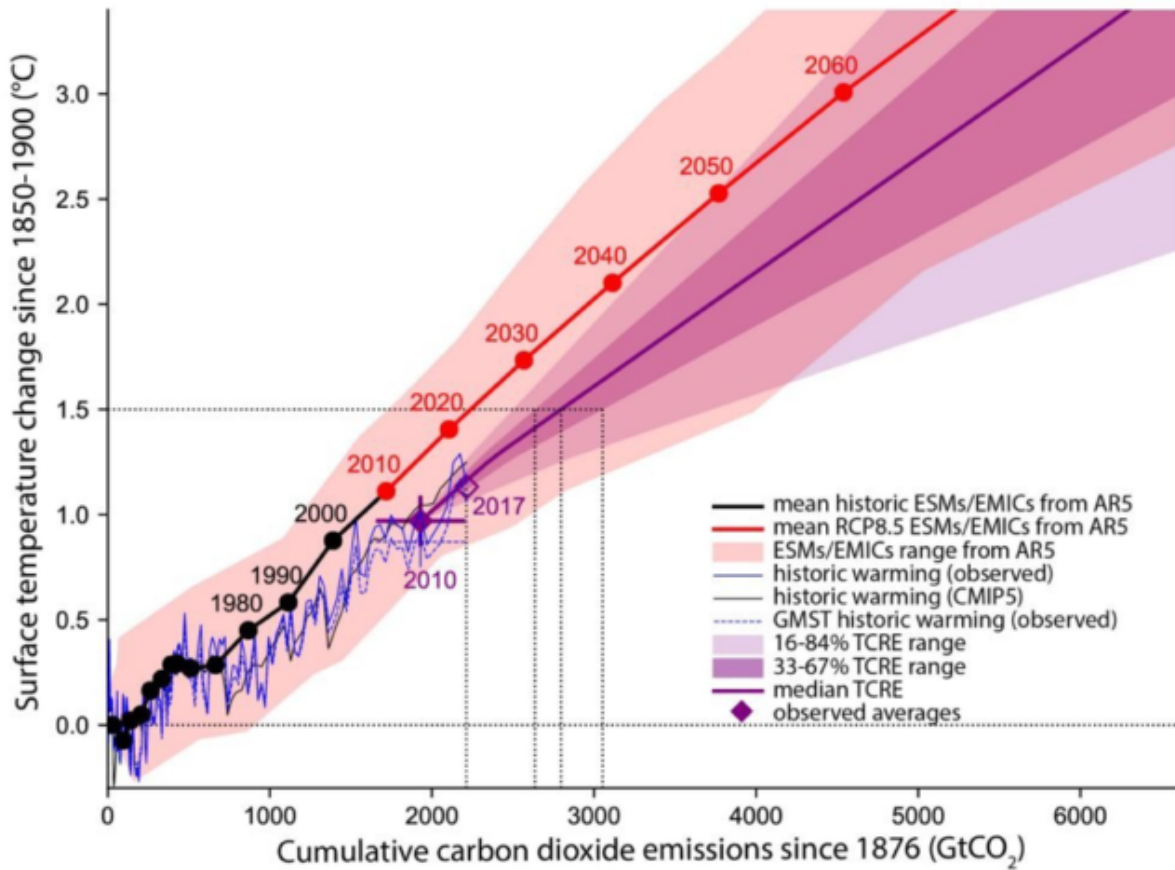


FIGURE 2.3?Temperature changes from 1850–1900 versus cumulative CO2 emissions since 1st January 1876.

???IPCC

3.??

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????????CO2??

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Posted in ???, ????? | No Comments »

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?? ?? · Monday, October 10th, 2022

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3????????????????1000?????????...??????12????????????????????



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allanswart/iStock

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

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

?? ?? · Tuesday, October 4th, 2022



Daniele Mezzadri/iStock

??25????????28????????????????

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

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?? ?? · Monday, October 3rd, 2022





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5??????????????

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??8??????????  
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??6?21??????????

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

### ????????SRZ1200????

?? ?? · Sunday, October 2nd, 2022

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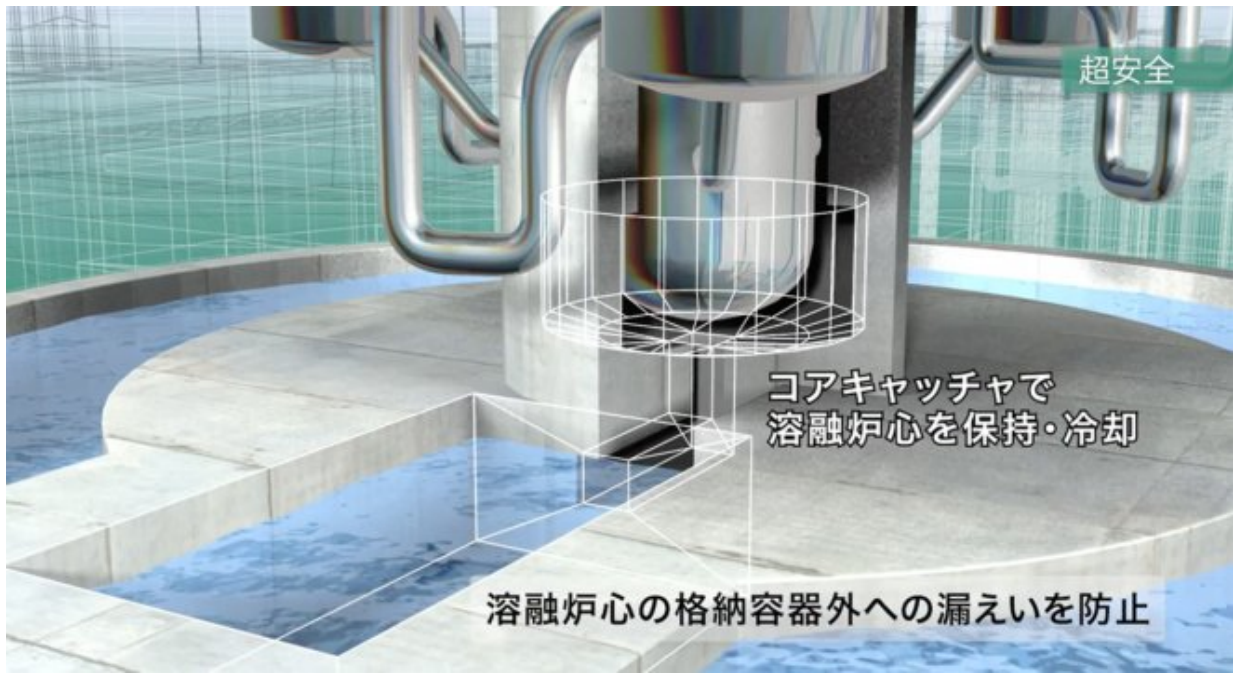
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??????929????????????????????????????????4????????????????????????????????????2030????????????  
????10??????????

**SRZ1200?????**

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

1200????????????????????120kW??  
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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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?????5????????????????????????????????

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?2020??CO<sub>2</sub>????????????

??28.4??14.7??6.9??4.7??3.2??2.1??1.8??3.7??

????????3.2????????12????????12????????????????????????????????0.0003????????

????????????10??100????????????????????????????????????2025????????GDP?2010????????

2??

??12????????????????????

??2050??1.5????  
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????1.5??

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2021?8??2030????????????????????????????2030????????1kW  
h????8.2?11.8??

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????????????LCOE????????????????????????????????LCOE????????????  
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? ii)???????????? iii)????????????

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????5????10????????????

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0????????????????????????

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??JP????????????CEO????????????????????

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small smiles/iStock

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NV??9????????????????????????????????????OCI????????????????????????  
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Posted in ???, ????? | No Comments »

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



halbergman/iStock

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8?16??

??3.5????????????Build Back  
 Better(?????)????????????????????????????????????10????7370????????4370????????????????????????3690  
 ?????52??

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??2030????????2005????????????????40????????????  
 ???CO2????????????????????2030????25????????  
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??50?52????????????????????????????  
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**?? or EU????????????????**

??3??3????????????44????2020????????????????????2  
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Posted in ??????????, ??, ?? | No Comments »

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?? ?? · Sunday, September 18th, 2022

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??2005??  
???Wikipedia

CNN???????????



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??9????????CO2????????????  
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??2????????IPCC????????  
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CCS

CO2

12 CO2

7 10 15 7 CO2

FIT

13 CO2 CO2

(EV) EV

CO2

2050

14

3

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Posted in ???, ????? | No Comments »

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

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



igorartmd/iStock

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herraez/iStock

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

??40%????  
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??2.5????????  
????????2.8????????3.8????

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Posted in ???, ?? | No Comments »

### ??21????????????????ESG????????

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

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

????????????????SDGs??ESG????????????????????????????????SDGs????????????????  
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?????ESG??



LumerB/iStock

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

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

????13????????????????????

??13????????????  
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????????????10????????BNP????????????UBS ???????

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350????????ESG????????????????????UBS????????????

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audioundwerbung/iStock

??6????????????????????LNG????????????????  
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 8?23??EU?????  
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??CO2????????  
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????CO2??2030????1000?kW????????????  
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??LNG????10????????????????????????????  
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Posted in ???, ?? | [No Comments](#) »

## ????????????14????????

?? ? · Saturday, September 3rd, 2022



ayhan turan/iStock

????5??3???????

????7????????????????14??



??????372?????2420????????????????????176?????1650????????????????????

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CO2 CO2 150 ppm

1 30 0.2 0.3

2 IPCC

3

3 80 60

HP 10 1950 60 1993 30

4 CO2

1000

( ) CO2

5 CO2

NHK

??6????????????????????  
????????CO2????????1850????????????????????

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??100????????????????????2?3  
mm????????????????????

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

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

### ????????LCOE????????

?? ?? · Thursday, September 1st, 2022





vchal/iStock

IRENA J.P.Morgan

**IRENA**

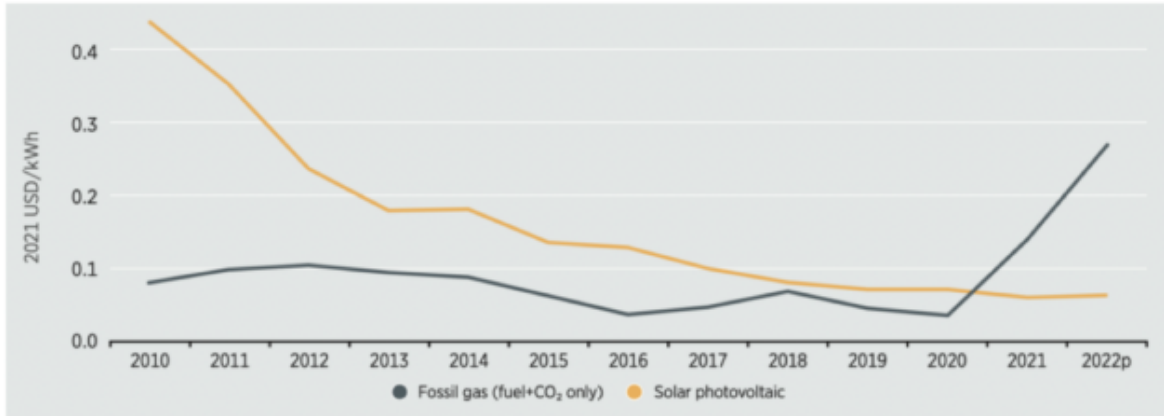
2022 13 IRENA 2021

**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 CO<sub>2</sub> cost only for fossil gas in Europe, 2010-2022



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

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

?????5?J.P.Morgan?????????????????

### 12th Annual Energy Paper | J.P. Morgan Private Bank ([jpmorgan.com](http://jpmorgan.com))

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- ???
- ???

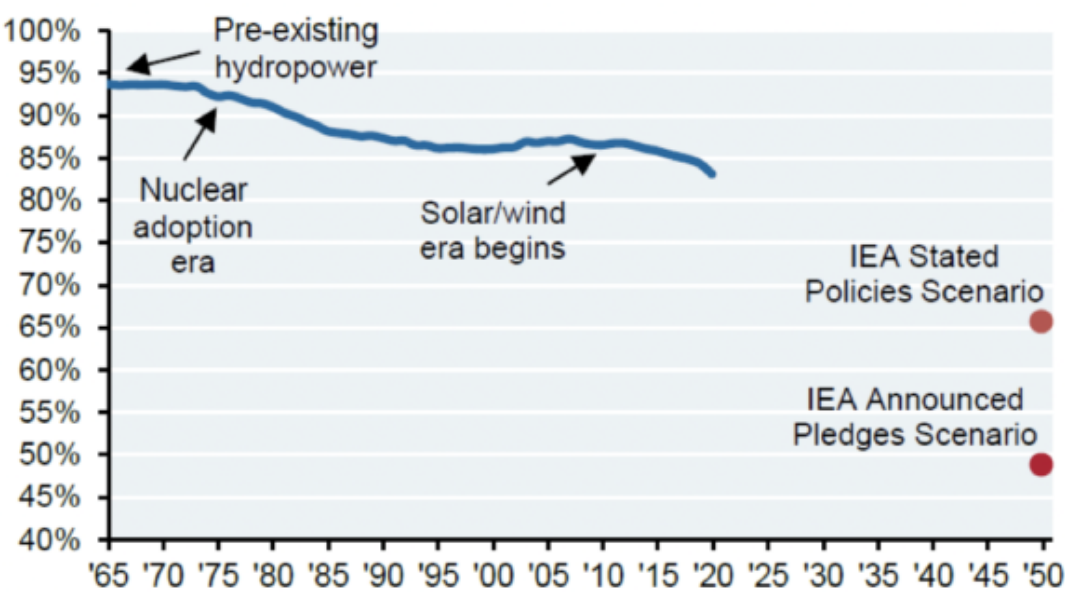
?2050??????

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

??10????????????????????????????  
????????????????70???

### 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??LCOE????????????  
????????????????

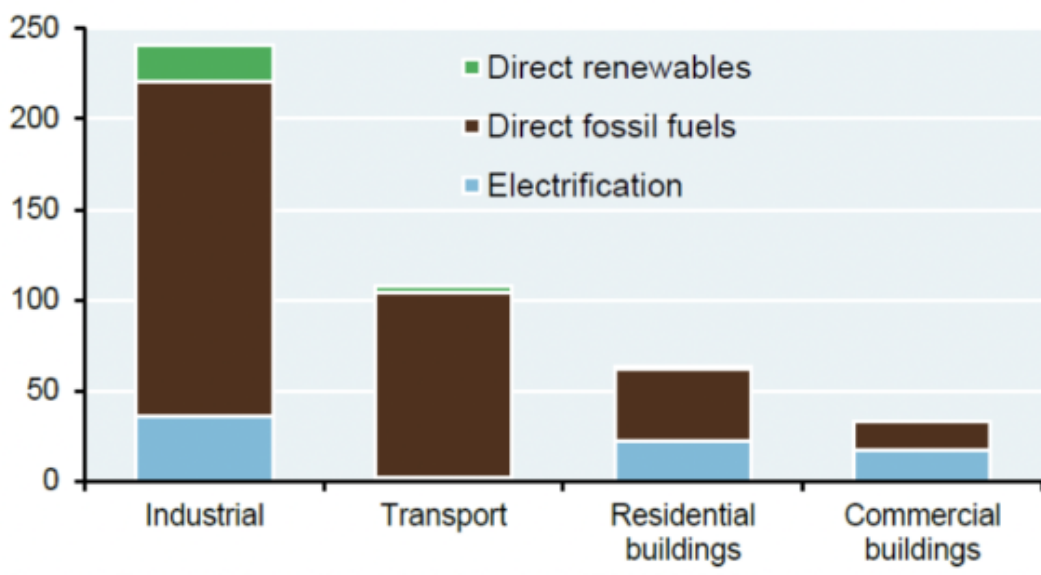
LCOE??i)???????????????????????????? ii)????????????????  
iii)??

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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.







???2030?????5800????????????????

??????COP27??  
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Posted in ???, ????? | No Comments »

### GX????????????????

?? ?? · Sunday, August 28th, 2022



marrio31/iStock

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8?24?????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"> <li>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)</li> </ul>	<ul style="list-style-type: none"> <li>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</li> </ul>
 イギリス	<ul style="list-style-type: none"> <li>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</li> </ul>	<ul style="list-style-type: none"> <li>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</li> </ul>
 フランス	<ul style="list-style-type: none"> <li>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</li> </ul>	<ul style="list-style-type: none"> <li>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</li> </ul>
 オランダ	<ul style="list-style-type: none"> <li>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</li> </ul>	<ul style="list-style-type: none"> <li>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</li> </ul>
 韓国	<ul style="list-style-type: none"> <li>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</li> </ul>	<ul style="list-style-type: none"> <li>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</li> </ul>

????????Gx????????

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??3?????ABWR???

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????ABWR????????6?7????????2????????5????????BWR????????????  
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??ABWR????????????

SMR?????7?kW??

????????????????2029????????????????????BWRX-300?2030????????????



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**??SMR????????????**

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????SMR????????????

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

**?2035????????EV????????????????**

?? ?? · Friday, August 26th, 2022



Naeblys/iStock

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

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

??EV????????????????????????  
60??CO<sub>2</sub>????????????

????????????????????????????EV????????????CO<sub>2</sub>????????6??12.5?km????????????????  
?10??20????????????EV????????????????????????????

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????????IEA????????????????????????????????????2040????????6????????????????  
????????????????????????????????????3????????4?3????????

??35????????50?  
70????????90????????????

??1????????????????  
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6??2022????3????  
????EU????????????

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

# 1.5????????????????

?? ? · Thursday, August 25th, 2022

??Wedge  
Online????????????????????????????????

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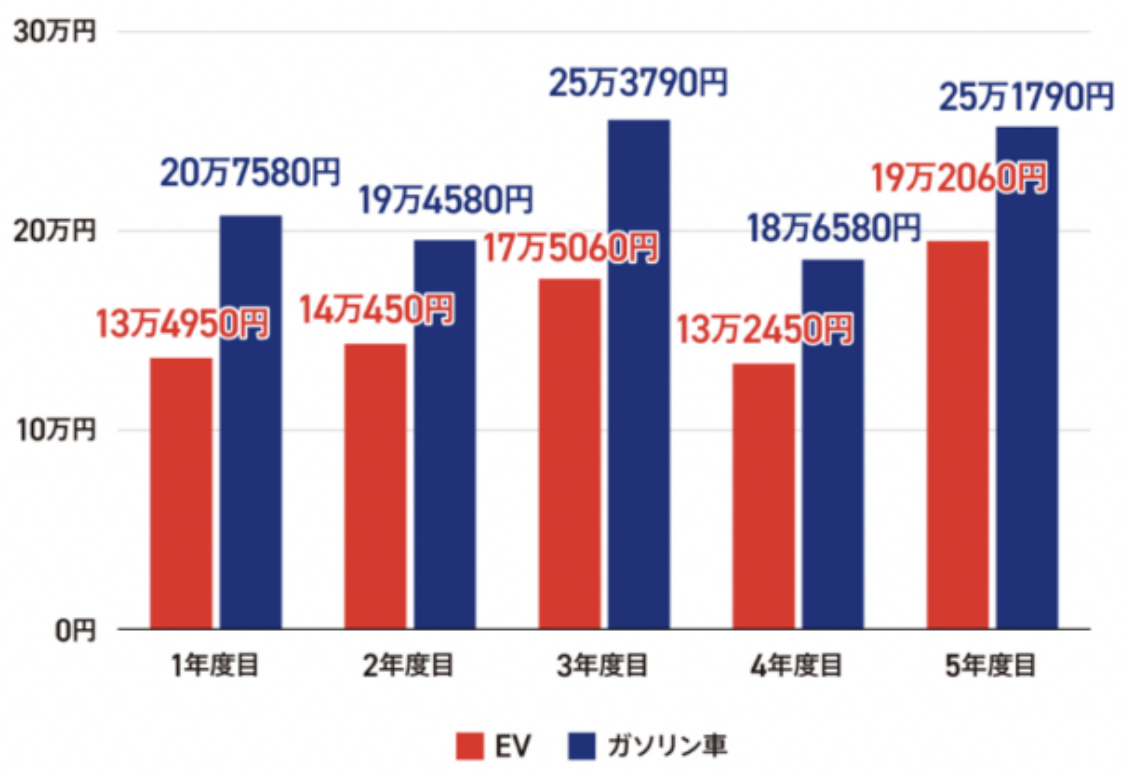












?1 EV????????????  
 ???TEPCO

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

????????ICV????????EV????????2????????2????????????????????  
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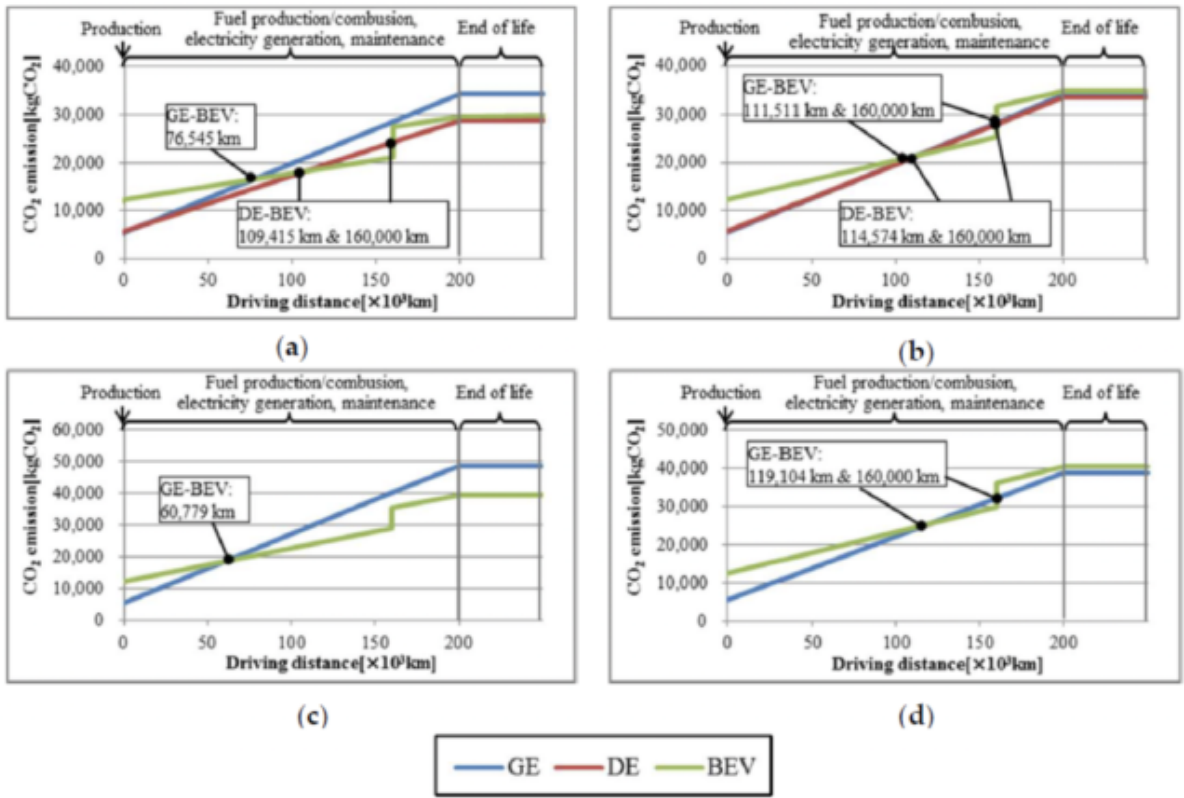
???EV????????CO<sub>2</sub>????????????????ICV????????EV????????

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

????????????????????40????30????????CO<sub>2</sub>????????EV????????  
 ??125,000km????????13,500km????????EV????????9????????60,000km????????  
 ?EV????????????????????EV????????????????

???2019

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 177kg- CO<sub>2</sub>/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?CO<sub>2</sub>?BEV?CO<sub>2</sub>?BEV?

(a)EU?DIP?109,415km?BEV?DE?109,415km?16?km?16?km?BEV?

(b)DIP?111,511km?BEV?GE?16?km?BEV?

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

8?16?km?1?km?EV?8?EV?70?100?CO<sub>2</sub>?

EV?8?BEV?CO<sub>2</sub>?2035?EV?550?EV?

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

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Posted in ???? | No Comments »

# ESG??????????

?? ?? · Sunday, August 21st, 2022



Pict Rider/iStock

????????????SEC????????????????????

## [FT]????????SEC?ESG????????



SEC?5?ESG??

SEC????ESG??  
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??MFA????????????????

?????MFA?SEC?????ESG?????????????????????ESG????????????  
?????????????????????????????ESG?????????????????????ESG????????  
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?????SEC?????ESG??

**?SEC?ESG????????????????????**



?????????SEC?25?ESG??  
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ESG??SEC?????????????

ESG??SDGs?????????  
????????????????154??CO2??  
??????ESG????????????????????

????????????????CSR????????50????????????????????????????200??300????????????????????  
????????????200??300??ESG????????????????????  
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ESG??SEC????????????????????????????????  
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?? ? · Saturday, August 20th, 2022







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