

Global Energy Policy Research | GEPR

GEPR <http://agorajp.com/>
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?? ?? · Monday, October 10th, 2022

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y-studio/iStock

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

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?? ?? ? - Sunday, October 9th, 2022

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bee32/iStock

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allanswart/iStock

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

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?? ?? · Tuesday, October 4th, 2022



Daniele Mezzadri/iStock

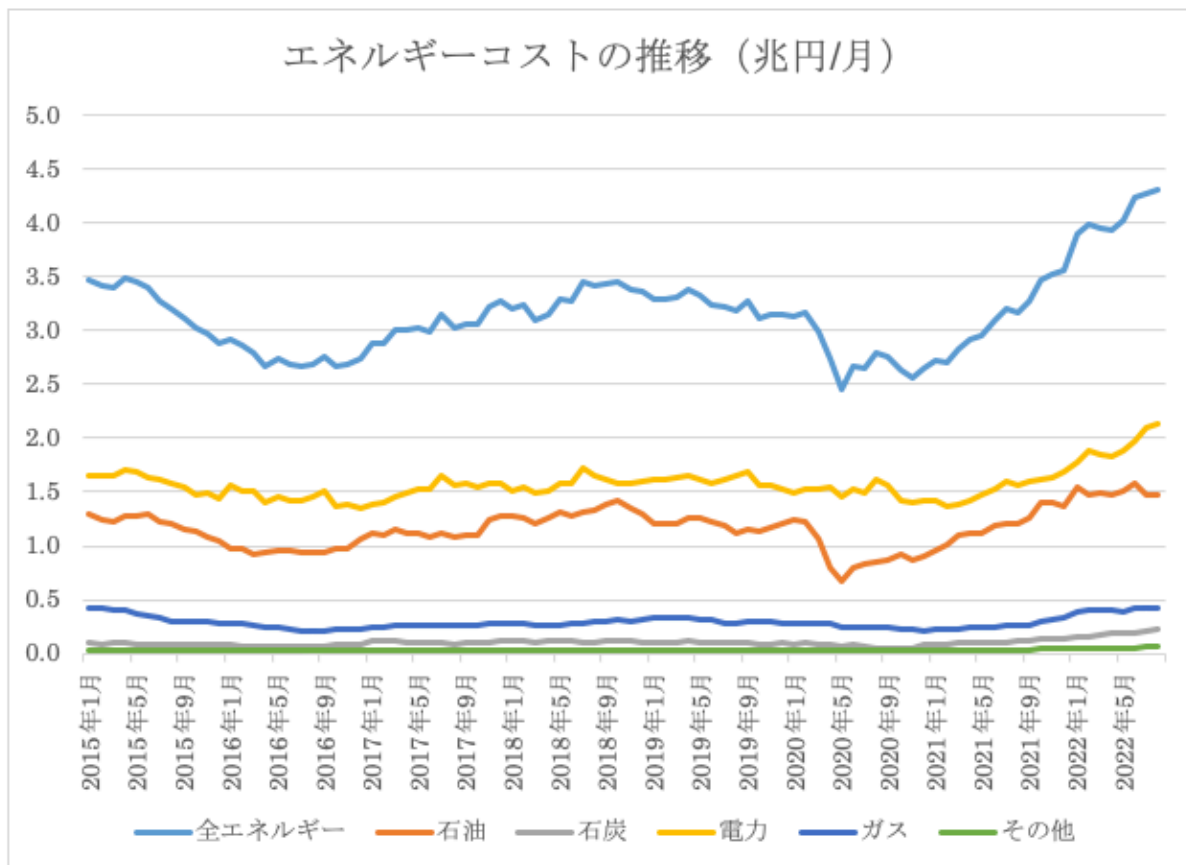
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Posted in ??????????, ??? | No Comments »

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?? ?? · Monday, October 3rd, 2022



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

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?? ?? · Sunday, October 2nd, 2022

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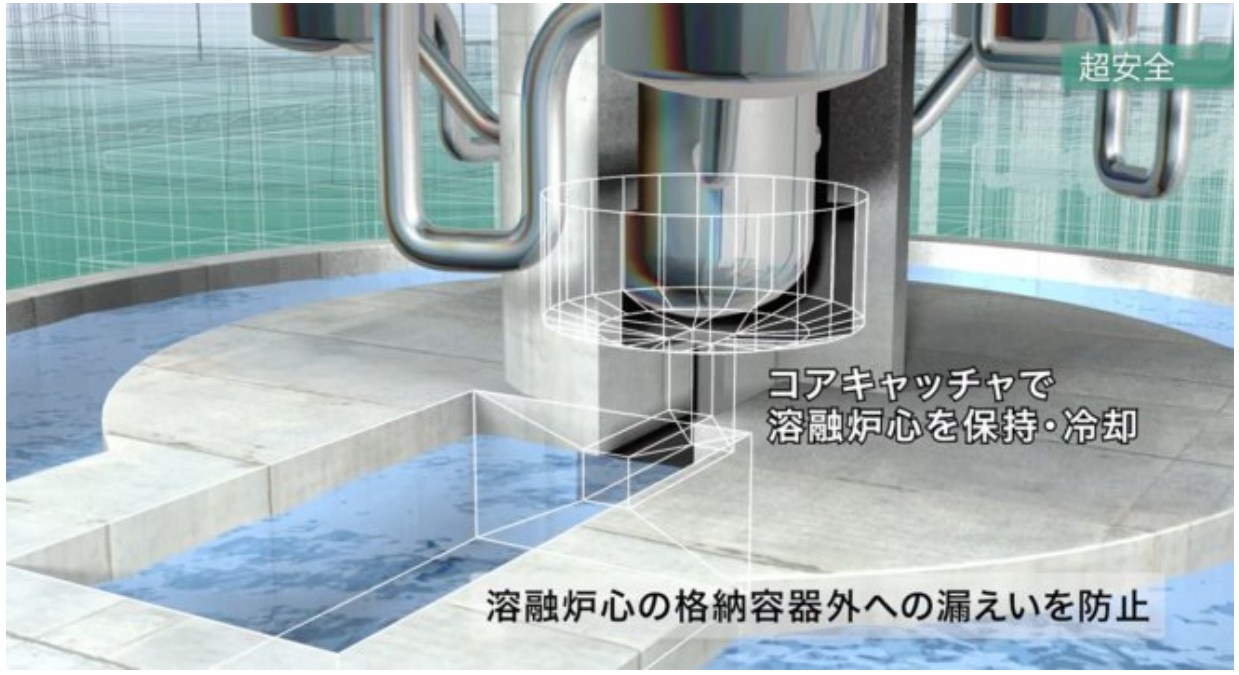
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??????9?29????????????????????????????????4????????????????????????????????????2030????????????
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SRZ1200?????

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

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



DiscoverMHI (Mitsubishi Heavy Industries, Ltd.)??

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

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

?? ?? · Sunday, October 2nd, 2022



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?2020??CO₂????????????

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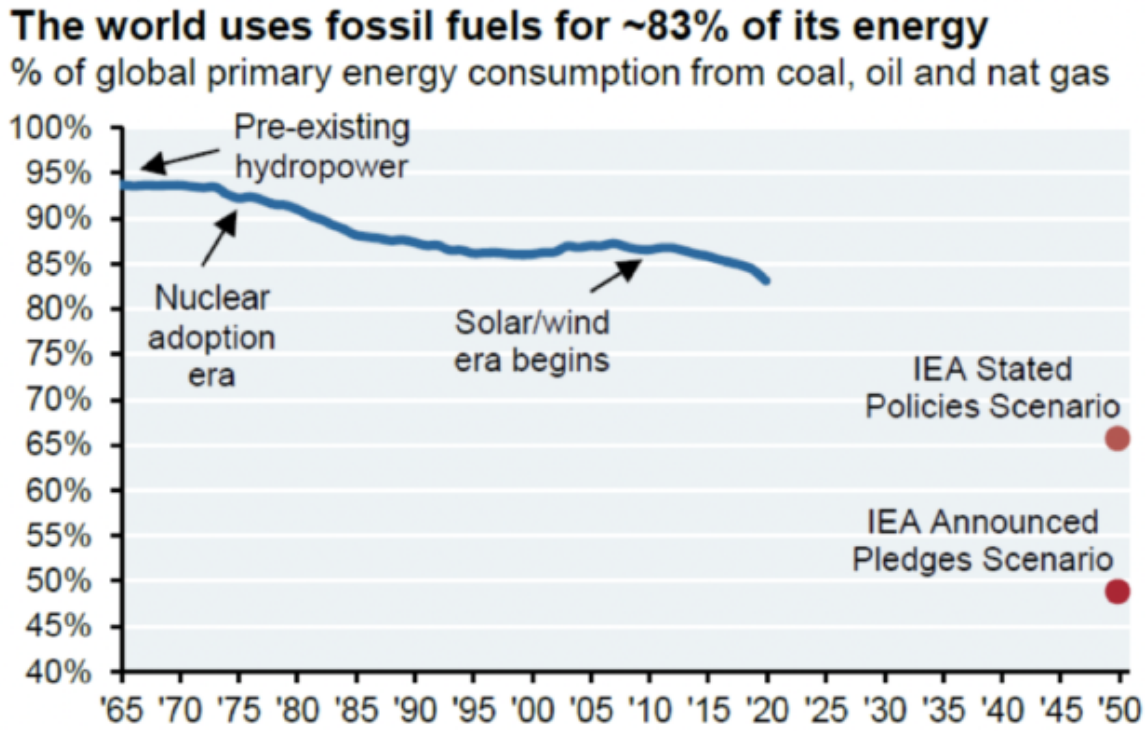
??JP????????????CEO????????????????????????

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COP27????????
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BP?IEA??
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Source: BP Statistical Review of World Energy, IEA, JPMAM. 2021.

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

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

?? ? · Saturday, October 1st, 2022

9?25??NHK????????????????????????1.5????????????????????

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

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

?? ?? · Thursday, September 29th, 2022

2050????????????2030?CO2??ESG????????
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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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8?16??

??3.5????????????Build Back
 Better(?????)????????????????????????????????????10????7370????????4370????????????????????????3690
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米インフレ抑制法の気候変動対策支出内訳

($\text{¥}140 / \text{\$}$)

	億ドル/10年	億円/10年
グリーン電力投資・生産税控除	1,603	224,420
再エネ	651	
CCS	32	
原子力	300	
技術中立	621	
クリーン燃料税控除	234	32,760
クリーン自動車税控除	155	21,700
自家用車(最大 \$\text{7500}/台)	89	
商用車	36	
郵便公社	30	
クリーン製造業税控除	403	56,420
多排出事業者向け補助金	95	13,300
建築物クリーン化補助金	453	63,420
農業再エネ化支援	126	17,640
気候対策農業支援	153	21,420
その他	293	41,020
	3,515	492,100

(7月27日CBO分析ベース: 成立法とは異なる)

出典: 電力中央研究所 上野貴弘氏レポート <https://criepi.denken.or.jp/jp/serc/discussion/22007.html>

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

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?? ?? · Sunday, September 18th, 2022

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

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?? ? · Friday, September 16th, 2022



ayhan turan/iStock

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1991????????????????????????????????????(???)??????1970?80????????????????80??????
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Posted in ???, ????? | No Comments »

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



igorartmd/iStock

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Posted in ???, ?? | No Comments »

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?? ?? · Wednesday, September 14th, 2022

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herraez/iStock

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Posted in ???, ?? | No Comments »

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

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

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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audioundwerbung/iStock

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

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?? ? · Saturday, September 3rd, 2022



ayhan turan/iStock

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Posted in ???, ????? | No Comments »

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?? ?? · Thursday, September 1st, 2022



vchal/iStock

IRENA J.P.Morgan

IRENA

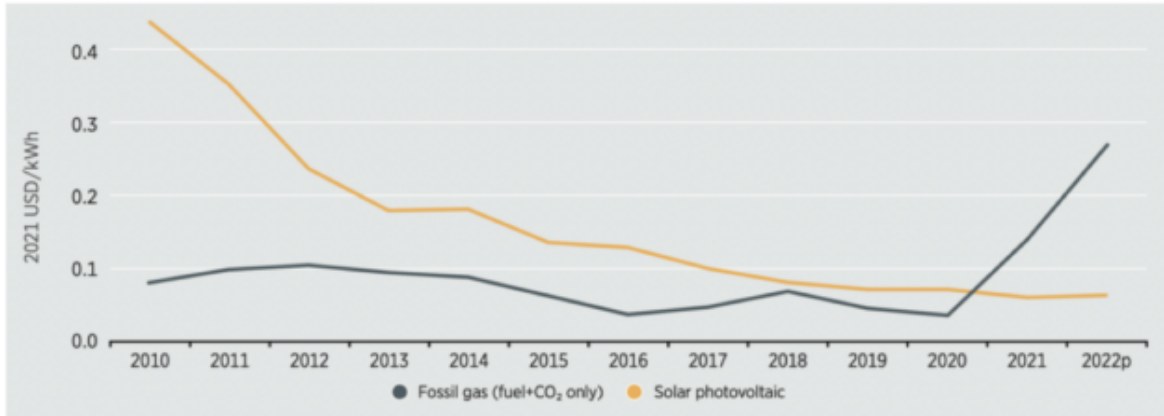
2022 13 IRENA 2021

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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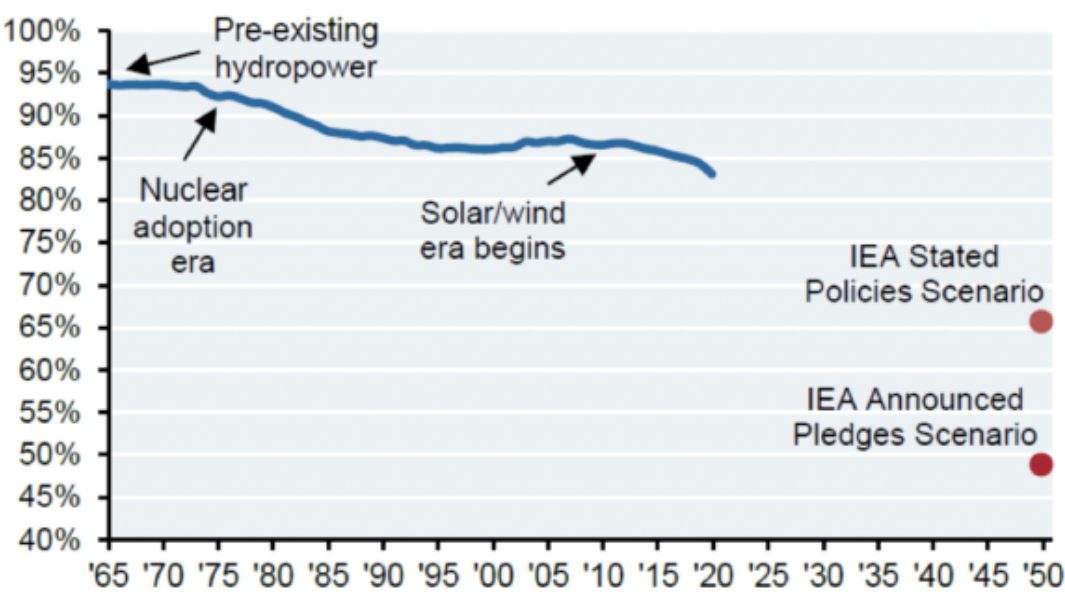
?2050??????

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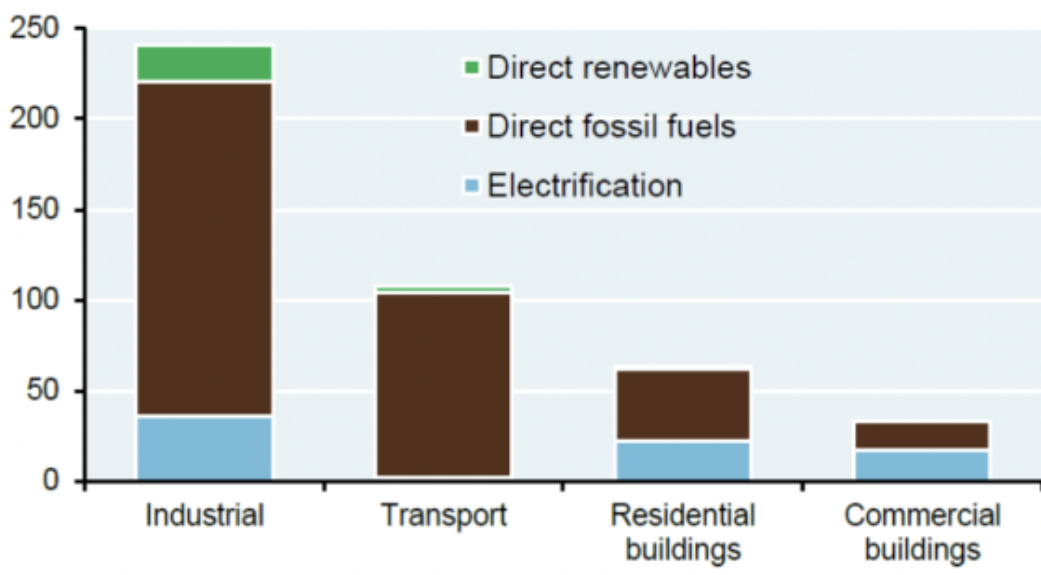
LCOE??i)???????????????????????????? ii)????????????????
iii)??

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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.



imagedepotpro/iStock



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COP??????????????????????
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COP????26????????????????????????COP????????????????2015??COP21????????

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COP????????????????26????????????????????????????????????

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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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In-Vessel Retention(?????)????????Ex-Vessel Retention(?????)?????

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Safety by design????

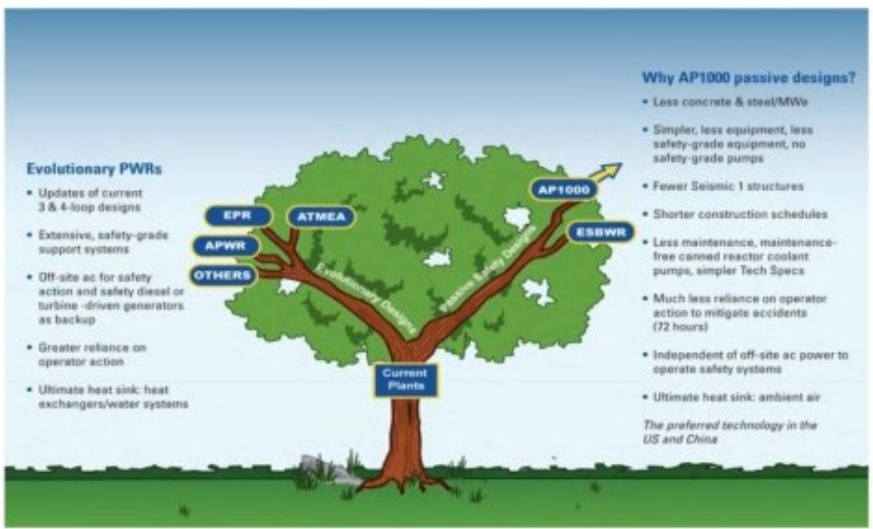
?Safety by design????????1980????????????????1979????????TMI????????????by
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AP1000: Generation III+ & Evolution



©Westinghouse Electric Corporation.

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

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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 »






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?? ?? · Friday, August 26th, 2022

GX

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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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??APWR????????????????????3????
??ABWR????????????

SMR?????7?kW??

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

????????????????????2030????????

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

????????????????????3????????????SMR????????SMR????????????????????????????????

????????????????????SMR??1????
??????SMR????????????

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????????????????????????300??1000????????
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??1??
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????????????????????3??
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Posted in ??????????, ??, ????????? | No Comments »

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

?? ?? · Friday, August 26th, 2022



Naeblys/iStock

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

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

??EV????????????????????????
60??CO₂????????????

????????????????????????????????EV????????????CO₂????????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????????????

??2????????????????????
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????????????????????EV????????????????????????????????????

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

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

?? ? · Thursday, August 25th, 2022

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

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poco_bw/iStock

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 ??????GDP??
 ??????????????????2010?????????????????2015????????????????????????????

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

1.5?????????????????????2050?????????????????2030?45??
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 ??????LNG??
 LNG??

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????????????NGO?1.5????????????????????????????????????1.5??2050????????????????2030??45????
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??17?SDG????
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????????????????????????????????1.5????????????????????????????????2030????????????????????
??2030????????????????2030??45????????????????????????

??1.5??What's
everybody's business is nobody's business ??????????

????????????1.5????????????????NDC????????????????2060??2070????????????????????
????????????????????????????????1.5??

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

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?? ?? · Wednesday, August 24th, 2022



mirza kadic/iStock

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??8????1????????25
0?????3?????????3??120?????1.65?????????????????

????????7??2.7?????372????????????30?????????????
??10?1????????????????????????????????????
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??1kWh????2.419?????????33????????????????????????????
??2?kWh?????????????????575?????8????????????????

?????????????????8?18????????????????????????????????????10?????????19?????7?????????????????24?3?????
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??3????????????????
??LNG??????????????????

??LNG????????????????????????????????

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??LNG??
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Welcome to Japan!

“Welcome to Japan!”

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

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

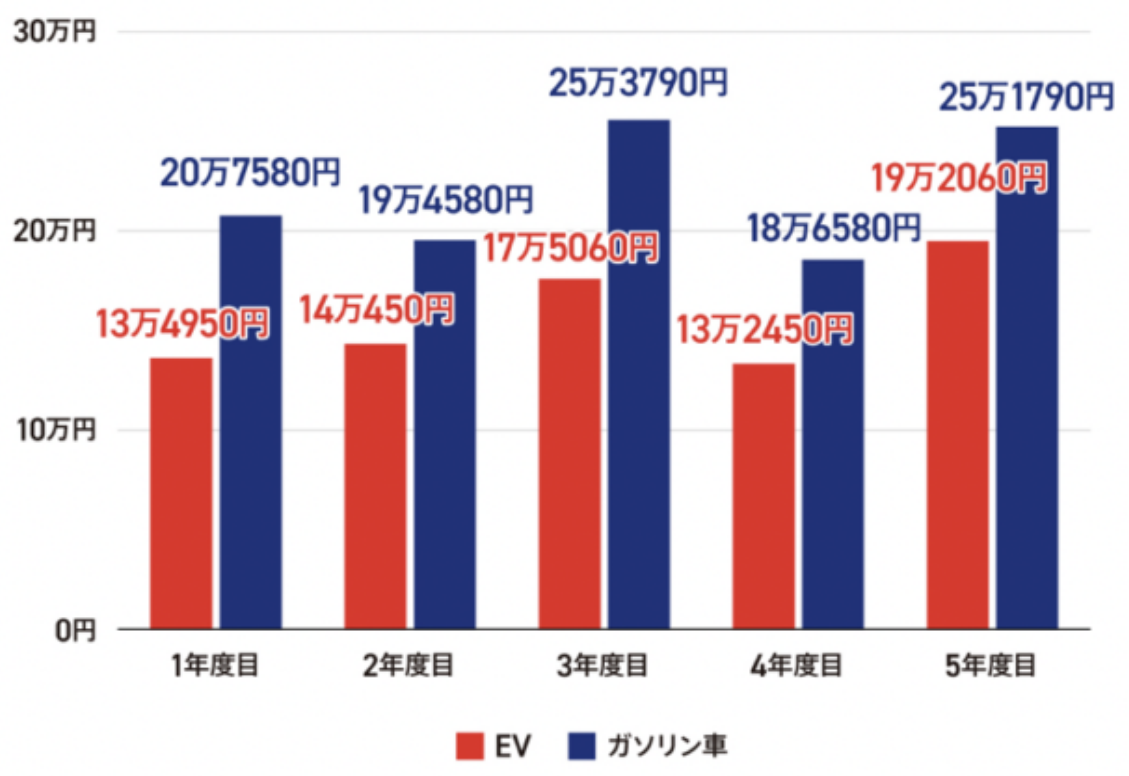
?? ?? · Tuesday, August 23rd, 2022



deepblue4you/iStock

??2020?10??2050??????????
??????2035??????????????EV??????????????????

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



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

????????CO₂????????EV????????

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

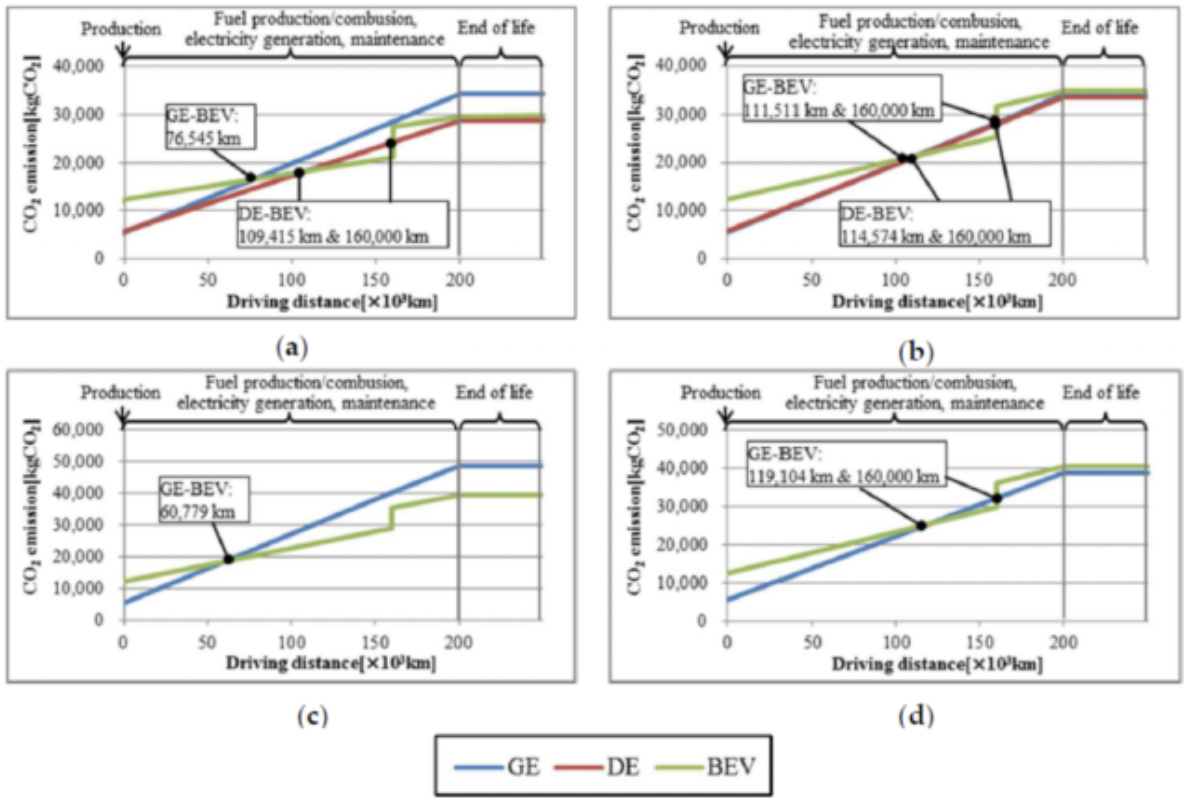
???EV????????CO₂????????ICV????????EV????????

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

????????????????????40????30????????CO₂????????EV????????
 ??125,000km????????13,500km????????EV????????9????????60,000km????????
 ?EV????????????????????EV????????

???2019

????????????????????GE????????DE????????BEV????CO₂????????BEV?CO₂????
 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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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????????????
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?????????SEC?25?ESG??
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ESG??SEC????????????

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

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?? ? · Saturday, August 20th, 2022



kovalchuk/iStock

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?PART ??????????????????PART
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?12????????????????



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1?????????????????1.5????2??
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2?1.5????2??2????????????????????
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???IPCC????????????2????????????????CO2????2075????????????1.5????????2050????????????30?
0????????????????????????????????????CO2????30?50????????????????????????????????
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??2050????????????50?????
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??2030??10????????????????
2050?????????????????????????????

????????????????2030????????????????2075????????????????????????????(????2050?????????)??
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?13????????????????

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??30?
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Posted in ???, ????? | No Comments »

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?? ?? · Thursday, August 18th, 2022



artJazz/iStock

2021?8????????????????????????????????????2030????????????????????????????????LCOE?Levelize
d cost of electricity??

????????????2030?????????1kWh????8.2?11.8????????????????????

????????????????????????????????2020?????11.5????????????????LNG????????????CO2????????????????????
???2030?????26.1????????????????????

??100
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?1?Full cost of electricity “FCOE” and energy returns “eROF”, Dr. Lars Shernikau, Prof. William Hayden Smith, Prof.
Rosemary Falcon (Vers. 05/2022)

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

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?? ??? ?? · Tuesday, August 16th, 2022

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2020????????????????1MW??30.47??
?50????????????????????????????????????40?50????????????

????2?????7?????315????????????????????????????????21?????4????????????????
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Santje09/iStock

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??12????????????????1????????????????????????
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??6????????????????????????????????????
??CO2????????????????????????????????

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Zeit????????5????????????????????????????????????
????????????????6????????????????????????????????????

??1????????8?14??die
Welt??
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??2022????
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??CO2??
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??5????????????
????????????????1????????????????????????????????????
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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>

????????????????GDP?2??
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??LED????????????????

??PPA?Power Purchase
Agreement??
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Posted in ???, ????? | No Comments »

