

表-2 太陽光発電と風力発電の総電力量比 %

グループ	太陽光発電	風力発電	合計
High income改	2.6	4.6	7.2
Upper-middle income改	1.0	3.0	4.1
Lower-middle income改	0.8	1.0	1.8
Low income	0.8	0.6	1.4
EU-28	4.1	13.4	17.5
中国	3.0	5.4	8.4
インド	3.1	4.3	7.4
(参考)日本	6.6	0.7	7.3

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????????????9% ??High income?????????-6??GHG??

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??GHG??capacity factor????????????

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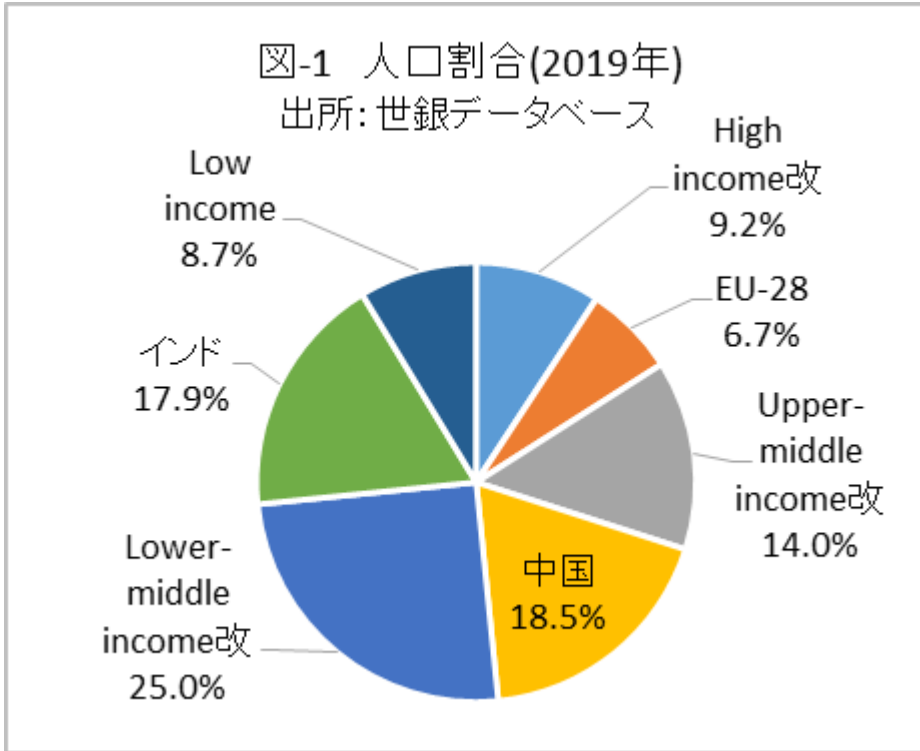
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????????????????????GHG????????????????????????????????Upper-middle income????????????????????????????????Lower-middle income??

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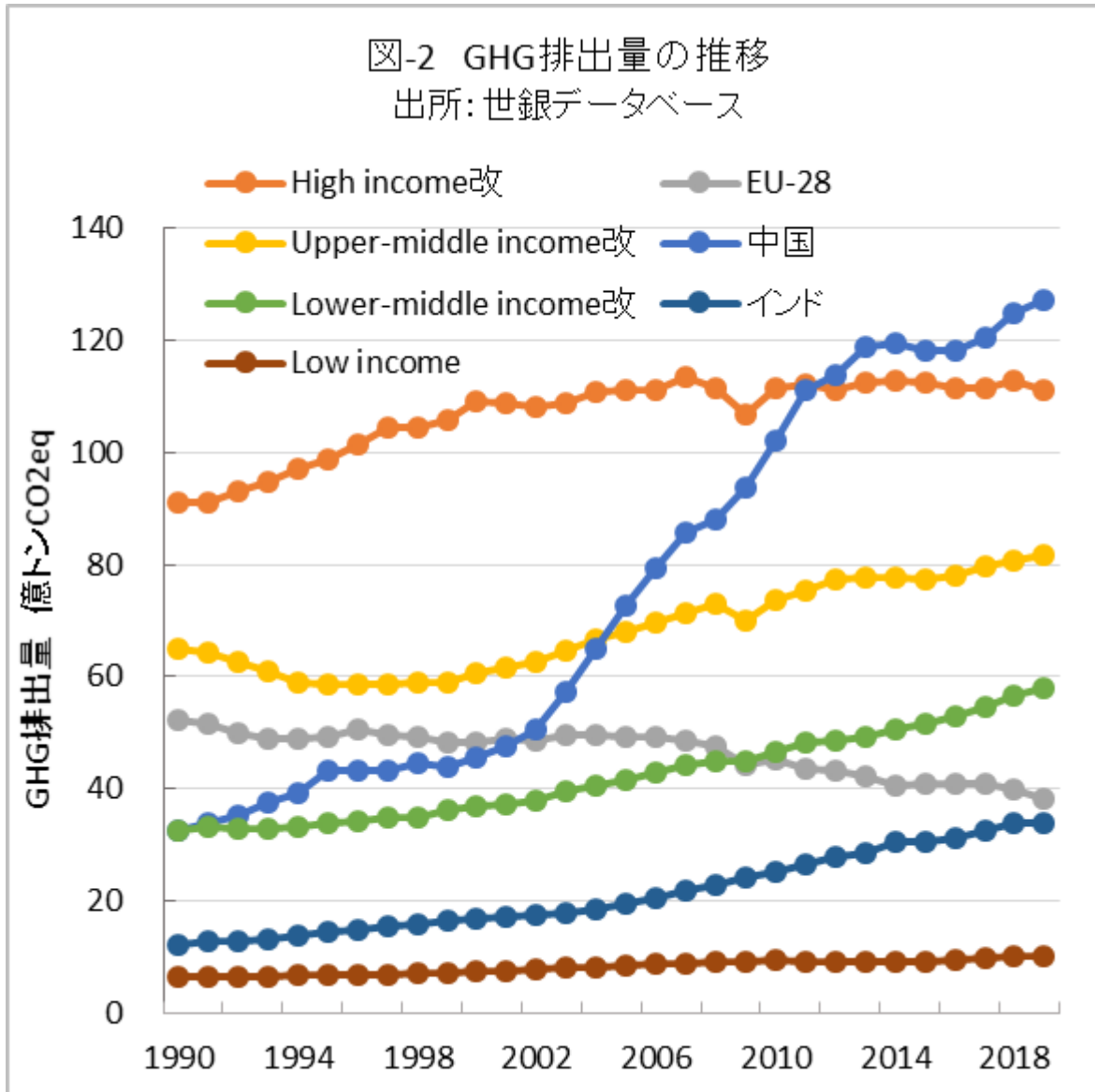
?-1????????????????2019????????????????????????????????????16%????????



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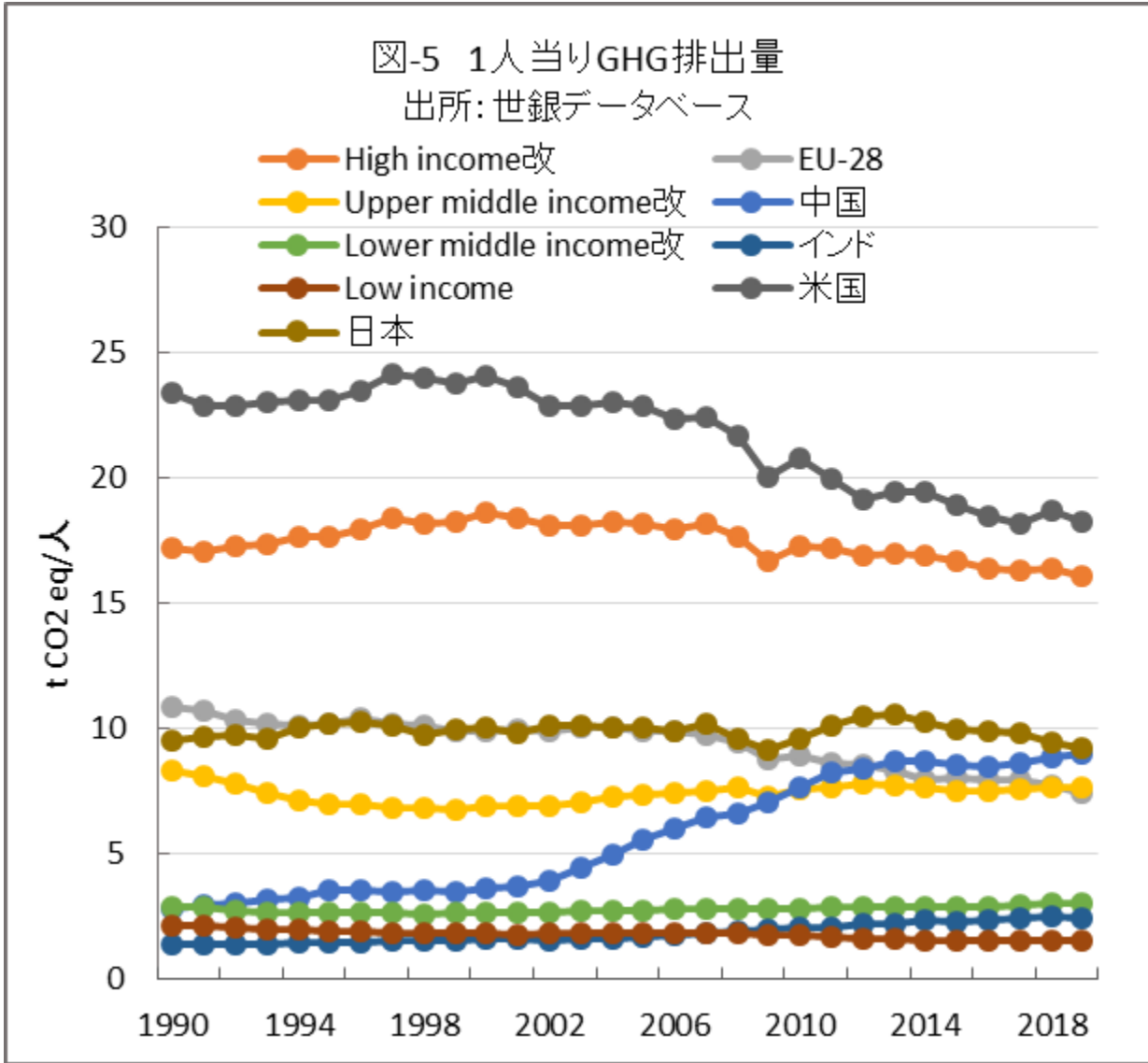
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LewisTsePuiLung/iStock

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NEW – UN Secretary for Global Comms says they "own the science" on "climate change," and opposing viewpoints have now been pushed down in search results through their partnership with Google.
pic.twitter.com/fMaPYsHGUT

— Disclose.tv (@disclosetv) October 2, 2022

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Posted in ???, ????? | No Comments »

ESG????????3E?S????????????

?? ?? · Thursday, October 20th, 2022



ipopba/iStock

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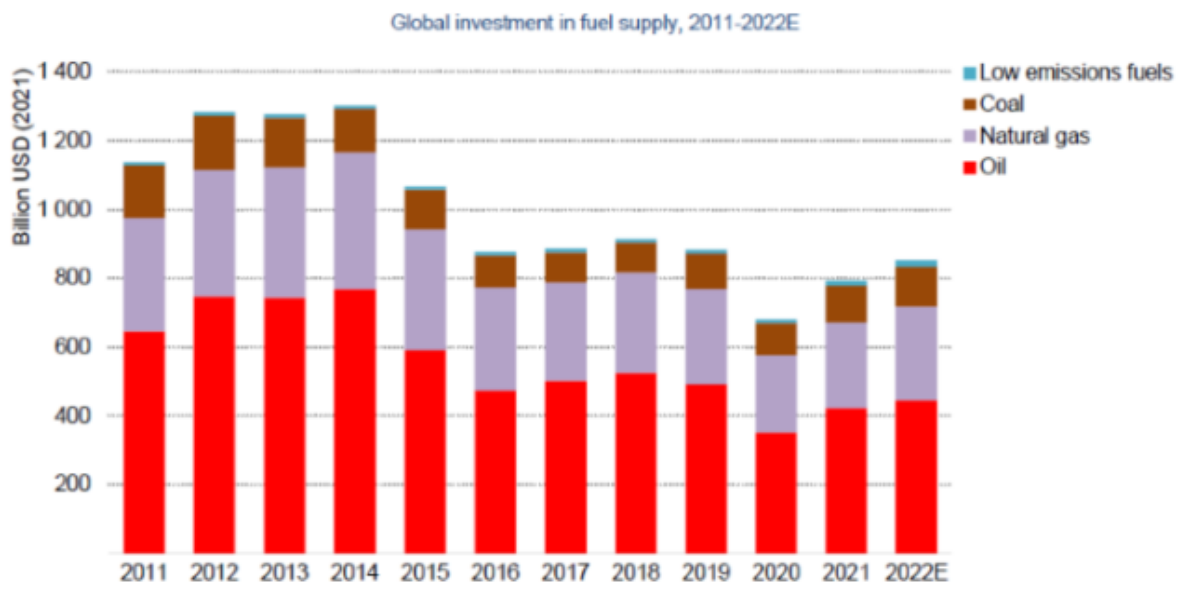
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???World Energy Investment 2022, IEA

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

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?? ?? · Thursday, October 20th, 2022



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MadamLead/iStock

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??Climate Change Dispatch????????????JPMorgan Chase, Morgan Stanley, Bank of America????????????????????????????????GFANZ????????????????????????????

U.S. Banks Threaten To End Support For UN Climate Edicts Over Legal Risks – Climate Change Dispatch

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‘Road to hell for America’: JP Morgan CEO snaps back at Rep. Tlaib on fossil fuels



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allanswart/iStock

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Daniele Mezzadri/iStock

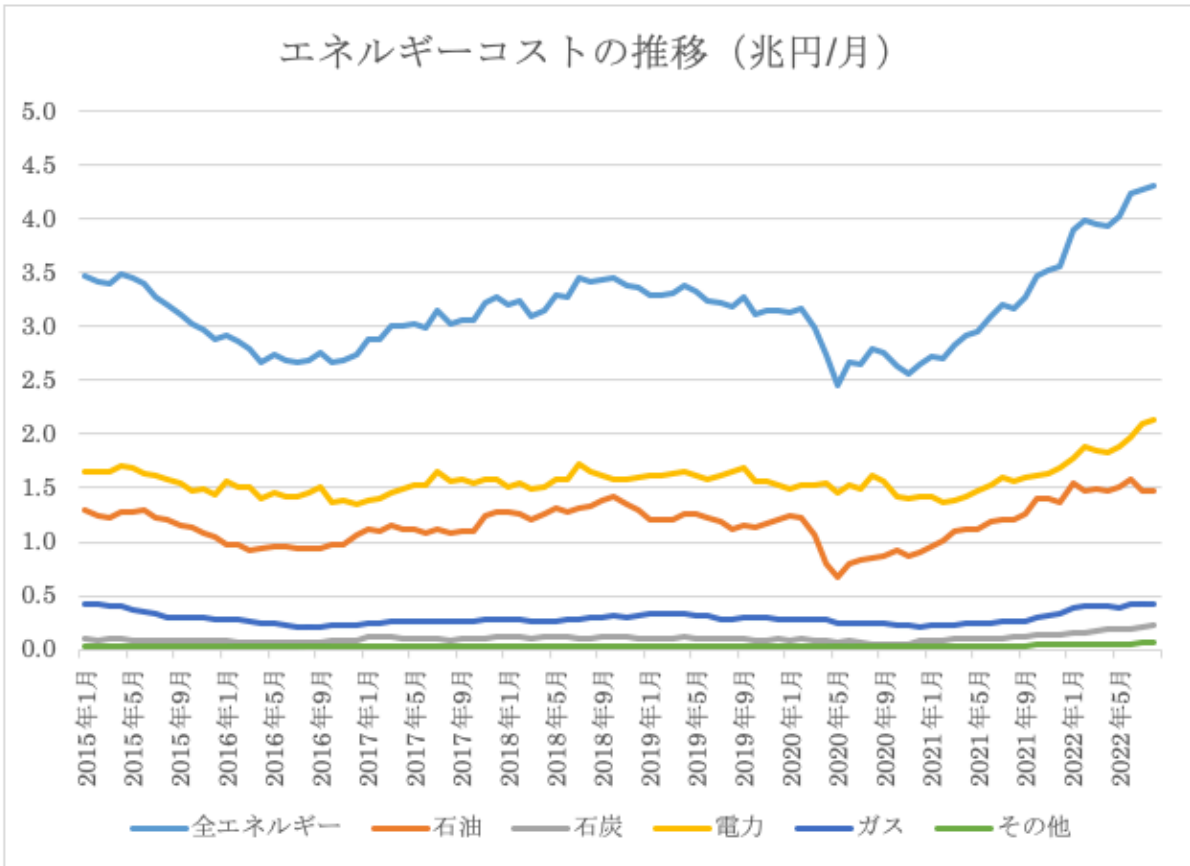
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?? ?? · Monday, October 3rd, 2022



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small smiles/iStock

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



halbergman/iStock

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?? ?? · Sunday, September 18th, 2022

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



igorartmd/iStock

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herraez/iStock

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Posted in ???, ?? | No Comments »

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

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

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LumerB/iStock

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?? ? · Saturday, September 3rd, 2022



ayhan turan/iStock

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?? ?? · Thursday, September 1st, 2022



vchal/iStock

IRENA J.P.Morgan

IRENA

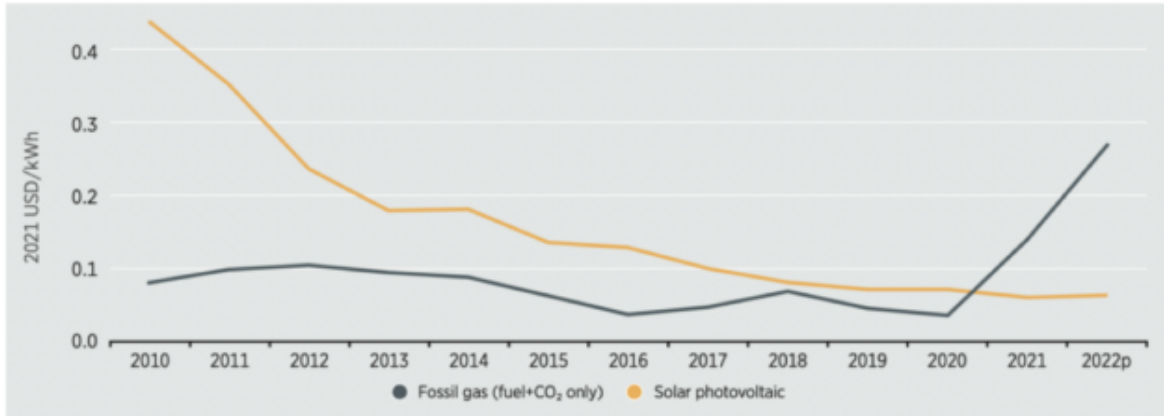
2022 13 IRENA 2021

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

IRENA

- 2021 163GW LCOE G20
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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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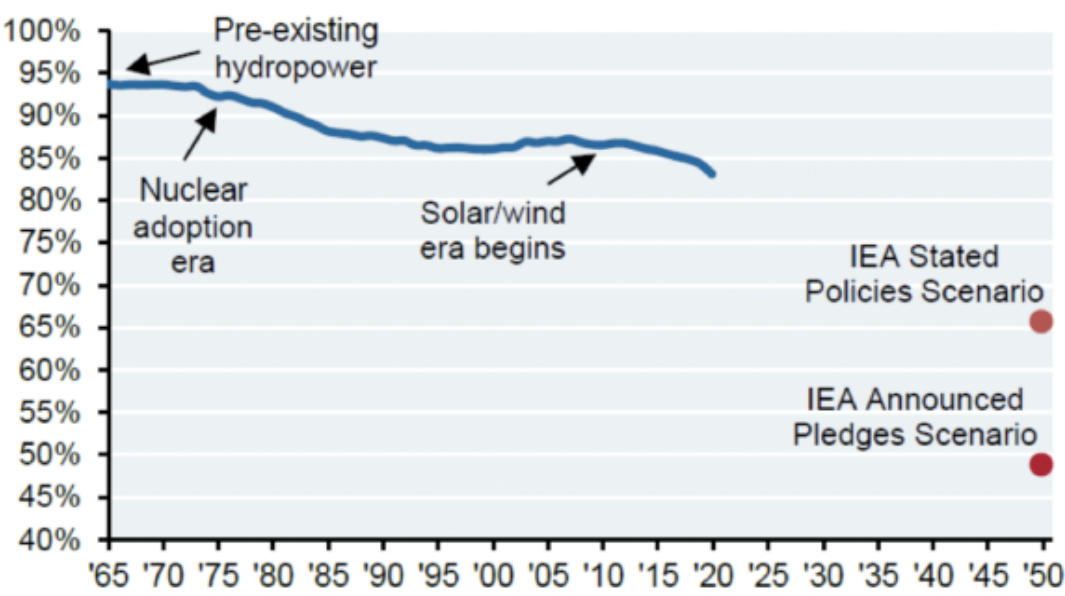
?2050??????

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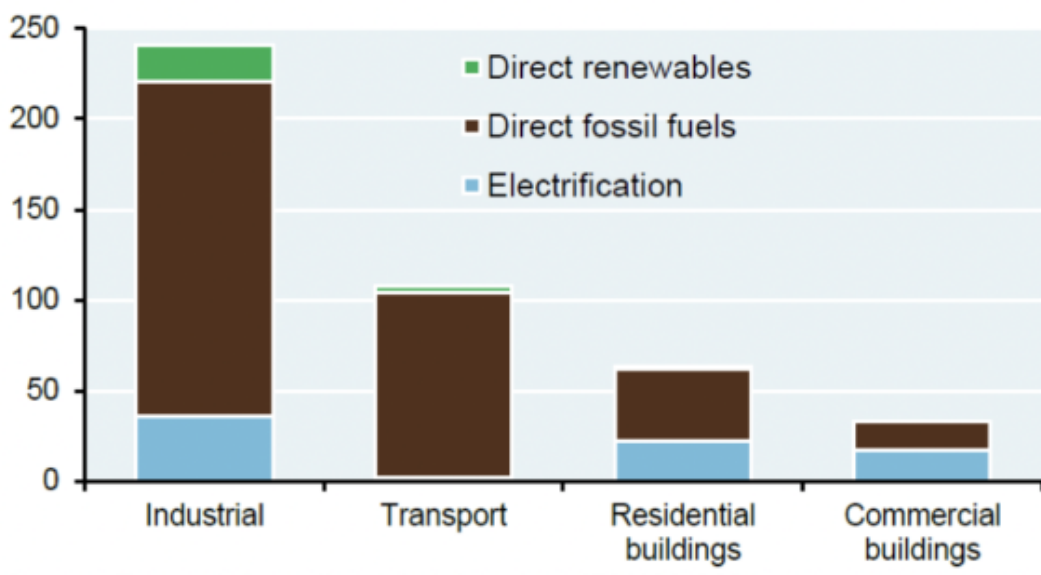
LCOE??i)???????????????????????????? ii)????????????????
iii)??

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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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Posted in ???, ????? | No Comments »

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

?? ?? · Sunday, August 28th, 2022



marrio31/iStock

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©Westinghouse Electric Corporation.

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

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

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????????????????????????????????

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

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60????CO₂????????????????

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?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????????
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??2????????????????????????????????
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1.5????????????????????

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