

References

Technologies

- Chugoku Electric Power website, https://www.energia.co.jp/e/business/int_business/skills/thermal-pg.html (accessed 11 October 2022).
- Hitachi Zosen website, <https://www.hitachizosen.co.jp/english/business/field/electrolytic-hydrogen/methanation.html> (accessed 11 October 2022).
- IEA (2021a), Global Energy-related CO₂ Emissions by Sector, May, <https://www.iea.org/data-and-statistics/charts/global-energy-related-co2-emissions-by-sector> (accessed 11 October 2022).
- IEA (2021b), Net Zero by 2050: A Roadmap for the Global Energy Sector, May, <https://www.iea.org/reports/net-zero-by-2050> (accessed 11 October 2022).
- Japan CCS Co website, <https://www.japanccs.com/en/business/> (accessed 11 October 2022).
- JERA (2022), JERA and IHI Move Up the Start of Large-Volume Co-firing of Fuel Ammonia in the Demonstration Project at Hekinan Thermal Power Station', press release, 31 May, https://www.jera.co.jp/english/information/20220531_917 (accessed 11 October 2022).
- JFE website, <https://www.jfe-steel.co.jp/en/company/carbon.html> (accessed 11 October 2022).
- KHI website, https://www.khi.co.jp/pressrelease/detail/20200924_1.html (accessed 11 October 2022).
- MAFF (2019), Biomass Utilisation Promotion Meeting, <https://www.maff.go.jp/j/shokusan/biomass/attach/pdf/index-17.pdf> (accessed 11 October 2022) (in Japanese).
- METI (2020), Green Growth Strategy Through Achieving Carbon Neutrality in 2050, Tokyo, https://www.meti.go.jp/english/policy/energy_environment/global_warming/ggs2050/index.html (accessed 11 October 2022).
- METI (2021), Outline of Strategic Energy Plan, October, https://www.enecho.meti.go.jp/en/category/others/basic_plan/ (accessed 11 October 2022).
- METI (2010), New Developments in Clean Coal Policies, https://www.meti.go.jp/policy/tech_evaluation/c00/C0000000H21/100308_clean-coal/clean-coal_6-1.pdf (accessed 11 October 2022).
- MHI website, <https://power.mhi.com/news/20180329.html> (accessed 11 October 2022).
- MHI website, https://www.mhi.com/products/engineering/CO2plants_projectrecords.html (accessed 11 October 2022).

METI website, original data from Global CCS Institute (2021), <https://www.enecho.meti.go.jp/about/special/johoteikyo/asiaccusnetwork.html> (accessed 11 October 2022).

METI (2019), Roadmap for Carbon Recycling Technologies, https://www.meti.go.jp/english/press/2021/pdf/0726_003a.pdf (accessed 11 October 2022).

Nikkei (2021a), press release, 18 June, https://www.nikkei.com/article/DGXLRSP612791_Y1A610C2000000/ (accessed 11 October 2022).

Nikkei (2021b), MGC Co., Ltd. Methanol from CO₂, press release, 21 September, <https://www.nikkei.com/article/DGKKZO75456250T00C21A9TB0000/> (accessed 11 October 2022).

Nippon Steel website, https://www.nipponsteel.com/ir/library/pdf/20210330_ZC.pdf (accessed 11 October 2022) (in Japanese).

NEDO Chemical looping cycle, https://www.nedo.go.jp/news/press/AA5_100464.html (accessed 11 October 2022).

NEDO website, <https://www.nedo.go.jp/content/100932834.pdf> (accessed 11 October 2022).

Oki, Y., J. Inumaru, S. Hara, M. Kobayashi, H. Watanabe, S. Umemoto, and H. Makino (2011), Development of Oxy-fuel IGCC System with CO₂ Recirculation for CO₂ Capture', *Energy Procedia* Vol. 4, 2011, pp. 1066-1073, Elsevier, Amsterdam <https://www.sciencedirect.com/science/article/pii/S1876610211001585> (accessed 11 October 2022).

Panasonic Group (2021), Demonstration of RE100 Solution Using Pure Hydrogen Fuel Cells, <https://news.panasonic.com/jp/press/jn210524-1> (accessed 11 October 2022).

Toshiba (2020), Toshiba Starts Operation of Large-Scale Carbon Capture Facility, news release, <https://www.global.toshiba/ww/news/energy/2020/10/news-20201031-01.html> (accessed 11 October 2022).

Indonesia

Directorate General of Electricity, MEMR (2021), Energy Policy towards Carbon Neutrality in Indonesia, presented at the 30th Clean Coal Day International Symposium, 21 September 2021, https://jcoal-ccd2021.com/en/program/S1_speech-3_Energy.html (accessed on 30 September 2021).

PLN (2021), RUPTL 2021, <https://web.pln.co.id/statics/uploads/2021/10/ruptl-2021-2030.pdf> (accessed on 10 June 2022).

Malaysia

- Akademi Sains Malaysia (2022), Position Paper on Hydrogen Economy, 28 July, <https://www.akademisains.gov.my/asm-publication/position-paper-on-hydrogen-economy/> (accessed 15 November 2022).
- Battersby, A. (2002), Petronas Advances Carbon Capture and Storage Ambitions: Memorandum of Understanding with Schlumberger Will Establish CCS Centre of Excellence, 22 March, <https://www.upstreamonline.com/energy-transition/petronas-advances-carbon-capture-and-storage-ambitions/2-1-1190011> (accessed 3 October 2022).
- Battersby, A. (2022), Petronas Advances Massive Carbon Capture and Storage Project, Studies Continue Ahead of Expected FID before the End of the Year, 6 July, <https://www.upstreamonline.com/field-development/petronas-advances-massive-carbon-capture-and-storage-project/2-1-1253191> (accessed 3 October 2022).
- Bernama (2021), 'Govt to Enhance EV Technology through NESTI', *New Straits Times*, 21 October, <https://www.nst.com.my/news/nation/2021/10/738582/govt-enhance-ev-technology-through-nesti> (accessed 3 October 2022).
- BusinessToday* (2021), NanoMalaysia Energy Storage Technology Initiative Programme Launched, 23 November, <https://www.businesstoday.com.my/2021/11/23/nanomalaysia-energy-storage-technology-initiative-programme-launched/> (accessed 15 November 2022).
- Capital Markets Malaysia (2020), Climate Bonds Initiative, Green Infrastructure Investment Opportunities (GIIO) Malaysia, <https://www.climatebonds.net/resources/reports/green-infrastructure-investment-opportunities-malaysia> (accessed 15 November 2022).
- Economic Planning Unit (EPU), Prime Minister's Department (2022), National Energy Policy 2022–2040, https://www.epu.gov.my/sites/default/files/2022-09/National_Energy_Policy_2022-2040.pdf (accessed 15 November 2022).
- Energy Commission (2020), *Malaysia Energy Statistics Handbook*. Putrajaya, Malaysia. https://www.st.gov.my/ms/contents/files/download/116/Malaysia_Energy_Statistics_Handbook_2020.pdf (15 November 2022).
- Evans, D. (2021), Petronas Advances Giant Kasawari CCS Project as FEED Competition Heats Up, *Energy Voice*, 6 December, <https://www.energyvoice.com/oilandgas/asia/369987/petronas-advances-giant-kasawari-ccs-project-as-feed-competition-heats-up/> (accessed 3 October 2022).
- Hydrogen Central (2022), Samsung Engineering Signs MoU with SEDC Energy and Sarawak Energy Berhad for Sarawak H2biscus Green Hydrogen & Ammonia Project Supply of Electricity, 9 September, <https://hydrogen-central.com/samsung-engineering-signs-MoU-sedc-energy-sarawak-energy-berhad-sarawak-h2biscus-green-hydrogen-ammonia-project-supply-electricity/> (accessed 5 October 2022).

- IEA (2022), Coal in Net Zero Transition, November, <https://iea.blob.core.windows.net/assets/4192696b-6518-4cfc-bb34-acc9312bf4b2/CoalInNetZeroTransitions.pdf> (accessed 15 November 2022).
- JBIC (2022), JBIC Signs MOU with Petroliam Nasional Berhad (PETRONAS) of Malaysia, 27 September, <https://www.jbic.go.jp/en/information/press/press-2022/0927-016824.html> (accessed 23 November 2021).
- Lexology (2022), Malaysia's Road to Sustainable Energy: New Initiatives Announced, 8 September.. <https://www.lexology.com/library/detail.aspx?g=ddb53d50-a97a-4161-b5d3-7e8ecf0861a4#:~:text=As%20a%20pilot%20initiative%2C%20three,%2Dcost%20and%20low%2Dcarbon> (accessed 23 November 2021).
- MalayMail (2021), NanoMalaysia Energy Storage Technology Initiative to Develop, Commercialise Energy Storage Systems, says Dr Adham, Malaymail, 23 November, <https://www.malaymail.com/news/malaysia/2021/11/23/nanomalaysia-energy-storage-technology-initiative-to-develop-commercialise/2023022> (accessed 23 November 2021).
- Malaysia Green Attribute Tracking System (mGATS), Understanding Green Electricity Tariff, <https://www.mgats.com.my/green-electricity-tariff> (accessed 15 November 2022).
- SEDA (2021), Malaysia Renewable Energy Roadmap (MyRER), <https://www.seda.gov.my/reportal/myrer/>
- MIDA (2021), Gov't to Enhance EV Technology through NESTI – Adham, 20 October, <https://www.mida.gov.my/mida-news/govt-to-enhance-ev-technology-through-nesti-adham/> (accessed on 5 October 2022).
- OEUK (2021), Xodus Awarded Contract for PETRONAS CCS Project in Malaysia, 10 August, <https://oeuk.org.uk/xodus-awarded-contract-for-petronas-ccs-project-in-malaysia/> (accessed 3 October 2022).
- Phnom Penh Post (2022), Petronas, Eneos Looking at Commercial Hydrogen, 15 March, <https://www.phnompenhpost.com/business/petronas-eneos-looking-commercial-hydrogen> (accessed 3 October 2022).
- Sarawak Energy presentation at the ASEAN Energy Business Forum 2022 (virtual). (accessed 15 September 2022*) (*The conference record was for the paid participants only and is not available in the public domain.)
- The 12th Malaysia Plan, <https://rmke12.epu.gov.my/en> (accessed 15 November 2022).
- The Energy Year (2021), Petronas Awards Engineering Contract for Kasawari CCS, News, 10 August, <https://theenergyyear.com/news/petronas-awards-engineering-contract-for-kasawari-ccs/> (accessed 3 October 2022).

Zimmer, M., A. Kuhanathan, and A. Badre (2021), Abolishing Fuel Subsidies in a Green and Just Transition, https://www.allianz.com/content/dam/onemarketing/azcom/Allianz_com/economic-research/publications/specials/en/2021/may/2021_05_19_Fossil_Subsidies.pdf (accessed 15 November 2022).

Thailand

EGAT, Working Group Presentation for the Study on Biomass and Coal Co-combustion in the ASEAN Region in February 2019 (accessed 18 August 2022).

EPPO, *Energy Statistic Annual Report*, <http://www.eppo.go.th/index.php/en/en-energystatistics/electricity-statistic> (accessed 18 August 2022).

EPPO (2020), Thailand's Power Development Plan 2018–2037 Revision 1, March (accessed 18 August 2022).

ERIA & JCOAL (2020), Biomass and Coal Co-combustion in the ASEAN Region (Phase 2), Final Report (October 2020). Jakarta: ERIA.

Kiatfuengfoo, V. (2020), The Direction of Electricity Policy in Thailand, 19 March, <https://www.nedo.go.jp/content/100933863.pdf> (accessed 18 August 2022).

Toyo Engineering website, <https://www.toyo-eng.com/jp/en/solution/e-fuel/> (accessed 18 August 2022).

Viet Nam

Agarwal, V., J. Deffarges, B. Delteil, M. Francois, and K. Tara (2022), Charting a Path for Viet Nam to Achieve its Net-zero Goals, October, Melbourne, Australia: McKinsey & Company, <https://www.mckinsey.com/capabilities/sustainability/our-insights/charting-a-path-for-vietnam-to-achieve-its-net-zero-goals> (accessed 8 November 2022).

Asian Development Bank (ADB) (2021), Regional: Opportunities to Accelerate Coal to Clean Power Transition in Selected Southeast Asian Developing Member Countries, Technical Assistance Consultant's Report, October, <https://www.adb.org/sites/default/files/project-documents/55024/55024-001-tacr-en.pdf> (accessed 17 June 2022).

Baker & McKenzie (2021), Vietnam: October 2021 updates to the Draft PDP8, https://insightplus.bakermckenzie.com/bm/attachment_dw.action?attkey=FRbANEucS95NMLRN47z%2BeeOgEFct8EGQJsWJiCH2WAUTleh6%2BAJHruNkrWNztLuO&nav=FRbANEucS95NMLRN47z%2BeeOgEFct8EGQbuwyppnpZjc4%3D&attdocparam=pB7HEsg%2FZ312Bk8OlUIH1c%2BY4beLEAeK13zYkvUKc8%3D&fromContentView=1 (accessed 4 March 2022).

- Baker & McKenzie (2022), Update on Draft National Power Development Plan #8 (PDP8) under MOIT Report 3787, dated 4 July 2022, https://singchamvn.org/wp-content/uploads/2022/07/Baker_Presentation-on-Updates-on-July-2022-Draft-PDP8-11-July-2022415931922.4.pdf (accessed 23 March 2023)
- erex (2022a), Development of Biomass Business, June, https://www.erex.co.jp/en/wp-content/uploads/sites/2/2022/07/20220701_01.pdf (accessed 29 June 2022).
- erex (2022b), Progress Toward Development of Biomass Business in Vietnam, press release 16 September, https://www.erex.co.jp/en/wp-content/uploads/sites/2/2022/09/20220920_Biomass.pdf (accessed 11 October 2022).
- EVN (2021), *Annual Report 2021*, https://www.evn.com.vn/userfile/User/tcdl/files/EVNAAnnualReport2021%20final%202_10_2021.pdf (accessed 14 March 2022).
- IEA (2022), World Energy Statistics and Balances, August, <https://www.iea.org/data-and-statistics/data-product/world-energy-statistics-and-balances> (accessed 12 April 2022).
- Liu Tong, Z and O. Alvarez (2021), Power in ASEAN: Accelerating Clean Energy in Vietnam and Indonesia', Water Rock Energy Modelling, https://www.aigcc.net/wp-content/uploads/2021/10/AIGCC_ASEAN-Report_2021_FINAL.pdf (accessed 12 April 2022).
- MOIT Viet Nam (2022), The 19th Asean+3 Energy Security Forum (2022), Session 5: ASEAN Member States Report on Energy Security on 16 June 2022, Overview of the Vietnamese Energy Sector (accessed 16 June 2021).
- Morris, D. (2022), Vietnam - Power Development Plan 8 Published - Latest Content of the Draft National Power Plan 8, <https://www.lexology.com/library/detail.aspx?g=f4e4437c-687f-4070-a529-ae0998bf4b3> (accessed 23 May 2022).
- National Energy Policy 2022-2040 (2022)_Only hard copy available.
- Ngo To Nhien (2022), CO₂ Abatement Scenarios for Vietnam's Power Sector to 2030, June, *Vietnam Initiative for Energy Transition*', https://ember-climate.org/app/uploads/2022/06/ACEF2022_CO2-Abatement-Scenarios-for-Vietnams-Power-Sector-to-2030.pdf (accessed 16 June 2022).
- Thang Nam Do, P.J. Burke, L. Hughes, and Ta Dinh Thi (2022), Policy Options for Offshore Wind Power in Viet Nam, <https://www.anu.edu.au/files/document-collection/ZCEAP%20WP%20Do%20et%20al.%202022%20Vietnam%20offshore%20wind%20power%20policy%20%28002%29.pdf> (accessed 17 November 2022).
- Thu, Vu (2022), Vietnam's Renewable Energy Strategy Can Make or Break Economy's Manufacturing Future Leading Exporters Need Clean Energy to Compete Globally, May, https://ieefa.org/sites/default/files/2022-05/Vietnams%20Renewable%20Energy%20Strategy%20Can%20Make%20or%20Break%20Economy%20Manufacturing%20Future_May%202022.pdf (accessed 8 November 2022).