<u>30/05/23</u>

AFRICA ENERGY TRANSITION WATCH

The Electricity Lawyer (EL) Africa Energy Transition Watch tracks the preparedness of countries across Sub-Saharan Africa (SSA) for the energy transition, using several energy transition indicators as curated by EL and mostly reflected in the EL Legal and Regulatory Indices Snapshot of SSA Power Markets: Energy Transition Pathway Ranking available at https://electricitylawyer.com/legal-and-regulatory-indices-snapshot/, including Energy access indicators, Level of deployment of clean energy technologies, Smart grids, Renewable Energy (RE) mix dynamics, Level of potential for attracting investment in Clean Energy Technologies, Off-Grid Framework and Scope of RE investment incentives, Transmission Network Structure, Interconnections and Grid Integration of RE Sources, Legal provisions for promoting climate change and policies on carbon trading, Value of international donor involvement in RE projects, etc.

On this week's African Energy Transition Watch are;



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Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
	EGYPT
RE Mix Dynamics	Egyptian chemicals firm, the Alexandria National Refining and Petrochemicals Company (ANRPC), signed a Memorandum of Understanding (MoU) with Norwegian renewables company, Scatec, for the development of a \$450 million green methanol production project in collaboration with the Egyptian Bioethanol Company. The project includes the construction of renewable energy stations with capacities of 40 MW for solar power and 120 MW for wind power. In addition, the joint development agreement will involve the development of a 60 MW green hydrogen analyzer and a seawater desalination plant, alongside a green methanol production and storage station.

	This project is the first of its kind in Egypt and the Middle East and will "contribute to
	placing Egypt on the global map of nations that produce green fuel for ships."
	This project should increase Egypt's energy mix and alternative fuel sources.
	ANGOLA
RE Mix Dynamics	 The governments of Angola and South Korea have recently announced their plans to strengthen collaboration in the areas of renewable energy, education, and agriculture. This development takes place against the backdrop of Angola's ambitious goal to achieve a 3.6% gross domestic product (GDP) growth in the next five years. South Korea is keen on establishing a presence in Angola's economy, particularly in sectors such as textiles, steel, car manufacturing, shipbuilding, and electronics. This collaboration should increase Angola's share of renewable energy in its energy mix
	CAMEROON
RE Mix Dynamics/	The last work of the Nachtigal hydroelectric project located in the Mbam-et-Kim
Electrification Rate	department, in the central region of Cameroon was reported to be near completion and
	close to entering its operational phase with projection of full operationality in 2024.
	The power plant is expected to deliver its first MW by the end of 2023.
	This development is expected to increase Cameroon's electricity access and RE mix dynamics in the coming months/years.

SOUTH AFRICA		
RE Mix Dynamics	Rheinmetall Denel Munition (RDM), a company specialised in the development, design,	
	a 5MW Solar power plant in Somerset West. South Africa to power the Company's	
	Somerset West operations with a high possibility of exporting clean surplus energy back	
	to the national grid. 9,204 solar panels are being laid with capacity to generate over 4.2 million watts of AC power at the Somerset West operations.	
	This development increases the RE Mix Dynamics of South Africa, whose major source	
	of electricity generation is coal, thus moving the country towards readiness for the	
	Energy Transition pathway.	
NIGERIA		
RE Mix Dynamics/	Nigeria commissioned a 40-MW hydroelectric power station in May 2023 in the north-	
Electrification rate	eastern state of Gombe which the President of Nigeria, President Mohammadu Buhari described as Nigeria's commitment to its "Electricity Vision 30:30:30" target of 30 GW of renewable power capacity by 2030. The Phase 1 project includes a 132-kV switchyard and a transmission line, as well as work on certain substations.	
	This development advances Nigeria's level of access to electricity and increases	
	Nigeria's RE mix dynamics within the overall energy mix.	

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02/06/23- WEEK 1



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On this week's African Energy Transition Watch are;

Namibia Angola Morocco Sierra Leone and Africa in general.

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Energy Transition	Energy Transition Development(s) across Africa
Indicator(s)	
	1. NAMIBIA
Clean Energy Technologies/	In cooperation with German investors, Namibia has commissioned Sub-Saharan
RE Mix Dynamics	Africa's largest green hydrogen production project. The plan is to build wind farms and photovoltaic plants with a total capacity of seven gigawatts (GW) to produce green ammonia, a hydrogen derivative which can be transported more easily. ¹
	Green hydrogen and its derivatives are considered key to decarbonising sectors that can't be electrified directly, such as steelmaking, chemicals and aviation. ⁱⁱ This development advances the utilisation of Clean Energy Technologies in Namibia as well as the diversification of Namibia's renewable energy mix.

	2. ANGOLA	
RE Mix Dynamics/	Pioonered by Solenova consortium, Angola's first photovoltaic plant was Inaugurated	
Energy access	on Tuesday, May 30, 2023, in Namibe. The plant will produce clean energy for domestic	
	and industrial use in the province of Namibe, in Angola. The plant includes 46,000 solar	
	panels, an operations building and other support structures, to produce in a first phase	
	25 megawatts of energy. The project advances the Angolan executive's strategy of	
	strengthening the national electricity system through the Angola Energy Strategy 2025	
	aimed at facilitating the production of 500MW of renewable energy by 2025. ^{III}	
	The project contributes to reducing the consumption of diesel used to produce	
	electricity in thermal power stations, thus diversifying the energy matrix in Angola. It	
	is expected that during its operating period this plant will reduce CO2 emissions by	
	around 50 thousand tons and produce clean energy for at least 25 years. ^{iv} This is in	
	addition to guaranteeing the energy needs of the province of Namibe.	
	3. MOROCCO	
Clean Energy Technologies	In line with Marrakesh's plan to deploy digital solutions in its urban area of over a million	
	inhabitants, Marrakesh is preparing, with the support of South Korea, to put 20 electric	
	buses on the road to decarbonise mobility. This is made possible by a recent agreement	
	between Yongwoo Jeong, Country Director of the Korean International Cooperation	
	Agency (KOICA) and Samir Goudar, President of the Marrakech-Safi Regional Council,	
	which also coordinates the inter-municipal platform Marrakech Transport. ^v	
	This agreement advances the deployment of Clean Energy Technologies in Morocco.	
	4. AFRICA	

Clean Energy Technologies/	The Institut de recherche pour le développement (IRD), France announced its intention
Value of international donor	to launch the "Innovation Trophies" to fund the project of two winners (capped at 10,000
involvement in RE projects	euros each) on projects focused on the implementation of the 17 United Nations
	Sustainable Development Goals (SDGs) to highlight innovative solutions based on
	science and aimed at meeting sustainability challenges linked to the needs of people
	in developing countries and overseas territories.vi
	Additionally, the Board of Governors of the African Development Bank Group has
	approved management's request to leverage the equity of the African Development
	Fund, to mobilize more resources on the capital markets. ^{vii} The Fund, according to the
	Bank Group president Dr. Akinwumi Adesina, when fully implemented could unlock up to
	\$27 billion to help low-income and fragile states,". Viii
	The IRD's Innovation trophies fund advances research and development and
	innovative solutions for clean energy technologies advancement in Africa. In
	addition, AfDB's fund which is expected to unlock \$27billion provides an anticipated
	stream of finance to fund sustainability related projects for fragile states in Africa.
	5. SIERRA LEONE
RE Mix Dynamics/	Infinitum Energy is reported to have initiated a bid to create a waste-to-energy power
Energy access	plant with potential to add 30MW of power to Freetown, Sierra Leone's capital. ^{ix} The
	project will facilitate the sale and supply of electricity generated by refuse back to the
	government. The project has been described as "an ambitious plan to rid the city of
	Freetown of thousands of tonnes of waste and rejuvenate acres of land is underway".*

This project advances the utilisation of Clean Energy Technologies in Sierra Leone
while also advancing energy access.

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09/06/23- WEEK 2



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On this week's African Energy Transition Watch are;

Nigeria Mauritania Egypt Morocco and Africa in general.

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Energy Transition	Energy Transition Development(s) across Africa
Indicator(s)	
	1. NIGERIA
Level of potential for	The president of the Federal Republic of Nigeria on 29 th May 2023, at his inauguration
attracting investment in	event made the pronouncement which led to the official removal of fuel Subsidy in
Clean Energy Technologies/	Nigeria, following which Nigeria National Petroleum Corporation Limited (NNPCL),
Value of international donor	published new pump pricing schedule for Premium Motor Spirit (PMS) in Nigeria. Fossil
involvement in RE projects	fuel subsidy have been criticised for encouraging the excessive consumption of fossil
	fuel, therefore encouraging emissions. Furthermore, fossil fuel has also been criticised
	for creating an unfair advantage for traditional energy sources against renewable and
	cleaner sources of energy.

	Additionally, at the inaugural DART workshop with off-grid developers, commercial
	banks, domestic investors, and other critical stakeholders to discuss strategies to unlock
	local currency commercial funding for the off-grid renewable energy sector in Nigeria,
	All On announced a commitment of \$11 million to support 25 mini-grid projects in Nigeria
	through its DART program in partnership with The Global Energy Alliance for People and
	Planet (GEAPP). ^{xi}
	This development advances the value of international donor involvement in RE
	projects which is expected to further advance the RE mix dynamics and clean energy
	technologies utilisation in Nigeria.
	2. MAURITANIA
RE Mix Dynamics/	Mauritania launched the "Affordable access to clean, renewable electricity" programme
Energy access	in the week that commenced on the 5 th of June 2023. The project is anticipated to give
	increased access to affordable and sustainable electricity sources in Mauritania.
	According to the Abdessalam Ould Mohamed Saleah, the Mauritanian Minister of
	Petroleum, Mines and Energy, the programme will serve 20 localities in the Hodh El
	Gharbi and Hodh Ech Chargui regions located in the southeast of Mauritania.xii
	This project advances access to electricity in Mauritania and increases RE utilisation
	in the country.
	3. EGYPT
Clean Energy Technologies	The Egyptian government executed an agreement for the construction of a 10,000 MW
	mega wind farm with a consortium consisting of Emirati energy company Masdar,
	Infinity Power, a joint venture between the Egyptian company Infinity Energy and Masdar

	and Hassan Allam Utilities, the subsidiary of the Egyptian group Hassan Allam Holding
	which is expected to cost \$10 billion. The project will be located in the Gulf of Suez, where
	the consortium has obtained the land needed for the project development.xiii
	This project is the largest renewable energy project announced in the North African
	country and is expected to increase the proportionate share of clean energy
	technologies deployed in the Africa region. Nevertheless, there are potential
	environmental impacts that the project would need to take into accounts such as the
	notential impact of the project on certain large birds which popularly migrate
	through the route from Europe to spond the winter in Africa, prodomingatly in the
	Creat Lakes region
	Great Lakes region.
	4. MOROCCO
Clean Energy Technologies/	Morocco has entered Partnership with the European Union (EU) to Support Moroccan
Value of international donor	Companies in driving green Investments known as the "EU-Morocco Green Deal
involvement in RE projects	Agreement". Under the Partnership, which was first signed in October 2022, both entities
	pledged to "consolidate cooperation on protecting the environment, conserving
	biodiversity, and fighting climate change". The partnership provides several carbon
	reduction opportunities including attracting new sustainability and clean energy project
	investments in the country w
	This development increased the value of international dense investment for DC
	This development increased the value of international donor investment for RE
	projects in Morocco with the potential to significantly increase the percentage of
clean energy technologies in Morocco.	
	ciedn energy technologies in Morocco.

RE Mix Dynamics/	Africa was reported to have added more hydropower in 2022 than previous year by a
Clean Energy Technologies/	growth of 2GW. ^{xv} Hydropower is a renewable energy source that generates power using
Value of international donor	a dam or diversion structure to alter the natural flow of river or other body of water.xvi
involvement in RE projects	Hydropower has a huge role to play in global sustainable agenda and electrification of
	Africa. According to IRENA, Africa's hydropower potential could be as high as 1,750GW.xvii
	The Export-Import Bank of the United States of America (US Exim Bank) is reported to be
	providing a \$900 million loan to the Angolan government. This financing, which is a first
	of its kind for the development of renewable energy in Africa, is expected to support the
	construction of two solar photovoltaic power plants with a combined capacity of 500
	MWp. ^{xviii}
	FSD Africa Investments (FSDAI), the investment arm of financial development agency
	FSD Africa is providing a convertible loan of £1 million (approximately \$1.25 million) to
	Africa Climate Ventures (ACV). The venture capital firm will use the funding to support
	high-impact climate start-ups in Africa. ^{xix}
	Although, the 2GW hydropower adaltion pales in comparison with Africa's
	nyaropower potential, the adaitional 2GW is a positive step by Africa Which
	contributes to her KE mix aynamics while advancing her clean energy technology
	utilisation. Furthermore, the US EXIM Bank fund and the FSDAI fund is a sizable
	contribution that increases the value of international aonor involvement in RE
	projects in Africa.

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16/06/23 – WEEK 3



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On this week's African Energy Transition Watch are;

Angola Kenya Egypt Mozambique DRC

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Energy Transition	Energy Transition Development(s) across Africa
Indicator(s)	
Energy access/	The government of Angola has promised through the Ministry of Energy and Water to
RE mix dynamics/	provide electricity to about six million people in the Angola's southern and eastern
Clean Energy Technologies	regions in the next five years. This promise aligns with the government's wider strategy
	to provide half of the country's total population with energy access by 2025 through
	means such as the use of the 520 MW Capanda Dam which is located in Malanje
	province for consumers in Huambo and Huila provinces in the central and southern
	parts of the country.

	Although, final investment decisions are yet to be made by the government for electrification projects targeting the southern parts of the country, the government has developed a transmission line to transport electricity for consumers in Lunda Norte,
	underway for consumers in the eastern parts of the country. ^{xxi}
	With an energy access rate of less than 50% of Angolans according to World Bank's Data, 2020, this plan by the government of Angola can be expected to increase energy while increasing the country's RE mix dynamics and clean energy technologies utilisation.
2. KENYA	
Clean Energy Technologies/ RE mix dynamics	Roam, a mobility start-up companny born in Sweden and having presence in Kenya, recently installed a network of three battery exchange stations for its electric motorbikes in Nairobi. ^{xxii} These stations, known as "Roam Hub", are partly by solar energy and offers battery rental services, including maintenance and electric motorbikes repair. The start-up is banking on technology to speed up the decarbonisation of boda boda (the name given to motorbike taxis in East Africa) in the Kenyan capital. This development now allows electric motor bikers to exchange their batteries at any of Roam's exchange stations making it possible to recharge batteries in a considerable lesser time by exchanging a discharged battery for a fully charged one for use.
	This development advances Kenya's move towards a low carbon economy with the
	further advances the untake of other clean energy technologies (electric motorbikes
	in the davances the uptake of other clean energy technologies (electric motorbikes

	and possibly electric vehicles and solar energy). The utilisation of solar energy to
	power the station also increases the RE mix dynamics in Kenya while increasing the
	existing generation capacity in the country.
	3. EGYPT ^{xxiii}
Clean Energy Technologies	Yasmine Fouad, Egypt's Minister for the Environment inaugurated the Nag Hammadi
	solid waste recycling plant in the governorate of Qena in Egypt on 9 June 2023, following
	the World Environment Day on 5 June. The plant is said to have a capacity of 400 tonnes
	per day.xxiv The new plant recycles waste into organic fertiliser for agriculture and
	produces RDF (Refuse Derived Fuels) alternative fuel, 120 tonnes a day to supply cement
	works, among others.
	This development advances Clean Technologies utilisation in Egypt. Clean
	Technologies refer to processes or practices that help to avoid or eliminate
	environmental damage.
4. MOZAMBIQUE ^{XXV}	
Clean Energy Technologies/	The European Union (EU) and the European Investment Bank (EIB) have announced their
RE mix dynamics/	intentions to contribute €500 million to the financing of the Mphanda Nkuwa mega
Value of international donor	hydroelectric project in Mozambique. The announcement was made by the Mphanda
involvement in RE projects	Nkuwa Hydroelectric Project Implementation Office (GMNK) following the award of a
	contract to build the infrastructure to a consortium of at least two European companies,
	including France's TotalEnergies and Électricité de France (EDF).

	This development increases the value of international donor involvement in RE projects in Mozambique as well as the utilisation of clean energy technologies which upon the completion of the project will increase the RE mix dynamics.
	5. DRC ^{xxvi}
Legal provisions for promoting climate change and policies	The Non-Governmental Organisation, Conseil pour la défense environnementale par la legalité et la trasabilité (CODELT), published two works on environmental legislation in the Democratic Republic of Congo (DRC). The works titled "Les Codes verts, tome II" and "Droit pénal congolais de la conservation de la nature" were recently published to popularise legal practices relating to the protection of natural areas. The publications are expected to help strengthen the protection of biodiversity in the Central African country, which is plagued by poaching and illegal timber exports, among other problems. These published works by CODELT promotes the legal provision for promoting climate change and policies in DRC.

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23/06/23 – WEEK 4





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On this week's African Energy Transition Watch are;

South Africa Benin Namibia Egypt and Kenya.

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On this week's African Energy Transition Watch are **South Africa, Benin, Namibia, Egypt, and Kenya.**

Energy Transition	Energy Transition Development(s) across Africa
Indicator(s)	
1. SOUTH AFRICA ^{xxvii}	
Clean Energy Technologies	The Australian Group, Alpha (producer of innovative plastic packaging solutions) on 13
	June 2023 announced its intention to invest €60m in the construction of a plant to
	recycle used polyethylene terephthalate (PET) bottles in the town of Ballito, north of
	Durban in South Africa. The facility is anticipated to recycle close to 60,000 tonnes of
	used PET bottles per year and produce up to 35,000 tonnes of recycled PET (rPET) for use
	in the manufacture of new bottles with the development of the site scheduled to

	commence in early summer 2023, with active recycling to commence in Autumn of
	2024
	This development advances the development of the Clean Technologies industries in
	South Africa.
	2. BENIN ^{xxviii}
Clean Energy Technologies	The West African Development Bank (BOAD) is aranting a loan of 5 billion CFA francs to
······································	Compagnia béninging de production polypropylàng (CDDD) for solid waste recevery in
	Compagnie beninoise de production polypropylene (CBPP) for solid waste recovery in
	Ahozon. This is an equivalent of over €7.6 million. The loan will enable CBPP to start
	construction work on its solid waste recovery plant in Ahozon, Benin. The financina
	partnership between the CPPP and POAD was signed on 14 June 2022 in Cotonou
	parthership between the CBPP and BOAD was signed on 14 June 2023 in Cotonou.
	This development advances the Clean Technology utilisation in Benin as well as the
	Value of international donor involvement in RE projects.
3. NAMIBIA ^{xxix}	
Clean Energy Technologies/	The African Development Bank (AfDB) has granted Namibia \$485,000 from the Urban
RE mix dynamics	and Municipal Development Fund (LIMDE) in line with AfDB's top five priorities in
KE IIIX GYNGINIOS	
	particular, to Light up and Power Africa, Improve the quality of Life for the people, and
	industrialize the continent." The Urban and Municipal Development Fund supports
	national socioeconomic development and poverty reduction by assisting advernments
	individu socioeconomic development and poverty reduction by dissisting governments
	with investments in sustainable urban development for more climate-resilient, resilient,
	liveable, and productive cities.

	The Grant will fund Solar Electricity Project which is expected to benefit 50,000 homes in
	Windhack The color energy is are stad to contribute towards are issing reduction by
	windhoek. The solar energy is expected to contribute towards emission reduction by
	reducing GHG emissions of burning kerosene and firewood which in turn reduces
	deforestation and improve air quality. Presently, almost 200,000 people representing
	20% of the population lacks access to power, the project would directly assist almost
	I his development ticks a number of energy transition indicators for Namibia. Firstly,
	it advances Namibia's Clean Energy Technology utilisation through the deployment
	of Solar Electricity to benefit 50,000 homes. Secondly, it increased the share of RE in
	Namibia's RE mix dynamics.
	4. EGYPT ^{xxx}
Clean Energy Technologies	Egypt's Micro, Small and Medium Enterprises Development Agency (MSMEDA), in June of
	2022, executed contracts with Eavptian International Gas Technology (GASTEC) and
	CAPGAS affiliates of Equat's Ministry of Potroloum and Mineral Posources to implement
	CARGAS, difinities of Egypt's ministry of Petroledin and mineral Resources to implement
	the ninth phase of an initiative which was initiated by Egypt's Ministry of Trade and
	Industry in 2021 to convert 150,000 vehicles to run on natural gas. It is reported that
	103,000 cars have been converted so far at a cost of around \$23m.
	Although potent in methane, a GHG, natural gas is considered a "relatively clean
	energy source in comparison to burning fossil fuels. Thus, it has been recoanised as
	the transition fuel. Therefore, this development advances Eavpt's transition to a low
	carbon future by increasing the development, manufacturing, and utilisation of
	Clogn Energy Technologies in Egynt
	Clean chergy rechnologies in Egypt.

5. KENYA ^{xxxi}	
Value of international donor	The United States Agency for International Development (USAID) listed Kenya as one of
involvement in RE projects	the countries eligible to receive a combined \$88.9million to fund renewable energy projects, equivalent of (Sh 12.5 billion). The USAID fund is to be released through the Power Africa initiative for East and Central Africa and is expected to fund the construction of about 10 million on-grid and off-grid connections for an estimated 50 million people in sub-Saharan Africa.
	For Kenya, the funding will considerably boost Kenya's efforts to scale up electricity access to homes and businesses in the far-flung regions utilising Kenya's vast solar potential. The \$88.9 million deal marks one of the major deals at the Africa Energy Forum that started in Nairobi on Tuesday.
	This development advances the value of international donor involvements in RE
	projects.

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30/06/23 - week 5



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On this week's African Energy Transition Watch are;

Nigeria Senegal Botswana Sub-Saharan Africa and Africa at large.

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On this week's African Energy Transition Watch are Nigeria, Senegal, Botswana, Sub-Saharan Africa and Africa at large.

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. NIGERIA ^{xxxii}	
Value of international donor	The World Bank's Director of Strategy and Operations for the Western Central African
involvement in RE projects	Region, Ms. Elizabeth Huybens, revealed that the World Bank plans to commit the sum of
	\$750 million through the Nigeria Electrification Project (NEP), as a successor project to
	the \$350 million finance project which is coming to a close. The purpose of the fund is
	to boost rural electrification and enable Nigerians to have better access to electricity.
	The NEP which aims to provide electricity to remote areas, supporting productive

	activities and benefitting rural Nigerians is being implemented by the Rural
	Electrification Agency (REA).
	This development advances the Value of international donor involvement in RE
	projects with the long term effect of increased Energy access, RE mix dynamics and
	Clean Energy Technology deployment in Nigeria.
2. SENEGAL ^{xxxiii}	
Value of international donor	Senegal has struck a deal of \$2.74 billion with France, Germany, the United Kingdom,
involvement in RE projects/	Canada and the European Union. The fund is expected to accelerate Senegal's
RE mix dynamics/	Integrated Low-Cost Electricity Plan which seeks to strengthen the deployment of
Clean Energy Technologies/	renewable energies in its energy mix. The fund was secured under a Just Energy
	Transition Partnership deal following the EU-African Union Summit in 2022 where the
	establishment of new partnerships for a just energy transition in Africa was proposed.
	This development advances the value of international donor involvement in RE
	projects in Senegal with the subsequent effect of increasing Senegal's RE mix
	dynamics and clean energy technologies in Senegal.
	3. BOTSWANA ^{xxxiv}
Value of international donor	The World Bank has approved a \$150 million Economic Resilience and Green Recovery
involvement in RE projects/	Development Policy Loan (DPL) II for Botswana. This comes after the disbursement of a
Clean Energy Technologies	\$250 million Development Policy loan in June 2021. The purpose of the DPL is to support
	Botswana's efforts to stimulate inclusive, resilient, and low-carbon recovery and
	development following the compounded impacts of the COVID-19 pandemic, the global
	energy crisis, and economic shocks that have resulted from Russia's invasion of Ukraine.

	The loan will be adopted under three pillars: Pillar 1 will drive social protection and improve the Government's responsiveness to social spending, particularly in response to climate change; Pillar 2 will enable access to credit for private sector development while increasing confidence in the credit information ecosystem; and Pillar 3 will support the Government's efforts towards driving the country's energy transition.
	This development advances the Value of international donor involvement in RE
	projects. A key component of the loan is to stimulate efforts towards low-carbon
	recovery. It is expected that the loan will davance the deployment of clean energy
4. SUB-SAHARAN AFRICA ^{xxxv}	
Value of international donor	The United States Agency for International Development (USAID) has launched a new
involvement in RE projects/	Power Africa project aimed at accelerating energy access in Africa through the
Clean Energy Technologies/	deployment of on-grid and off-grid energy solutions. The project will invest up to \$89
RE mix dynamics/	million in clean energy projects over a period of five years (subject to finance
Energy access	availability). The funds will address energy poverty in sub-Saharan Africa as part of the
	Power Africa initiative and enable the funding the installation of 1,227 MW of clean energy
	affordable and cleaner fuel sources
	This development advances the Value of international donor involvement in RE
	projects in Sub-Saharan Africa. In addition, the funds should lead to increase in the

	deployment of Clean Energy Technologies and the RE mix dynamics in SSA while
	advancing Energy access.
	5. AFRICA ^{xxxvi}
Value of international donor	At the Summit for the New Global Financial Deal which held in June 2023 in Paris,
involvement in RE projects/	Proparco the subsidiary of the French Development Agency (AFD) group, and the
Clean Energy Technologies/	International Finance Corporation (IFC), the subsidiary of the World Bank group has
RE mix dynamics/	announced the mobilisation of \$1.5 billion as part of the African Entrepreneurship
Energy access	Initiative. The funding is designated for climate-smart agriculture and inter-African trade. Furthermore, the IFC and Proparco have announced their intention to participate in a Series B financing round organised by the electricity provider Nuru in the Democratic Republic of Congo (DRC). Nuru is an electricity provider which develops and operates hybrid solar mini grids that supply electricity to commercial and industrial (C&I) customers and households.
	This development advances the Value of international donor involvement in RE projects in Africa and particularly Energy access and Clean Energy Technology deployment in DRC.

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07/07/23- WEEK 1



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On this week's African Energy Transition Watch are;

South Africa Mauritius Zambia Angola and Tanzania.

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Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. SOUTH AFRICA ^{xxxvii}	
RE mix dynamics/	Scatec ASA, a Norwegian renewables developer recently indicated that it has achieved
Clean Energy Technology	financial close for its Grootfontein solar scheme in South Africa. The solar scheme which is located in the Western Cape Province of South Africa and consists of three solar power projects with a cumulative capacity of 273 MW had its 20-year power purchase agreement (PPA) for the plants was signed in late 2022. Scatec ASA secured the projects in the fifth bidding round of the Department of Mineral Resources' Renewable Energy Independent Power Producer Procurement Programme (REIPPPP) in 2021.

On this week's African Energy Transition Watch are **South Africa, Mauritius, Zambia, Angola and Tanzania**.

	The total cost for the Grootfontein' solar scheme is estimated at ZAR 5.1 billion (USD
	273m/EUR 249m). The project will be funded by a combination of equity and non-
	recourse project finance debt to the tune of ZAR 4.5 billion provided by Standard Bank
	of South Africa as mandated lead arranger
	er eeutr Ameu de mandated lead arranger.
	This project advances the RE mix dynamics in South Africa and advances South
	Africa's Clean Energy Technology utilisation.
	2. MAURITIUS ^{xxxviii}
RE mix dynamics/	Construction work is reported to have recently commenced on the Arsenal solar farm
Clean Energy Technologies	(the project) recently launched by its developer, GreenYellow an Independent Power
	Producer (IPP). The project is being financed by the Commercial Bank of Mauritius (MCB)
	to the tune of €7.5 million. The project is being built on a 15-hectare site at Arsenal in the
	north of the island off the coast of East Africa. The plant is expected to have a capacity
	of 10 MWp with capacity to supply 22 GWh of electricity a year to Mauritius' Central
	Electricity Board this beloing to diversify Mauritius's electricity mix
	Electrony Beard, the helping to alvelony maandade electrony mix.
	This development advances the RF mix dynamics in Mauritius as well as Mauritius'
	Clean Energy Technologies Utilisation
	3. ZAMBIAXXXXX
Energy access rate	Taifa Gas appounded a \$100 million investment in power generation in Zambia through
Lifergy access rate	a joint venture with Delta Marimba, a lead company. The investment will facilitate the
	a joint venture with bend Manniba, a local company. The investment will facilitate the
	establishment of the first Liquefied Petroleum Gas (LPG) plant in the northern part of
	Zambia's neighbouring country. Once operational, the power plant is expected add 100
	megawatts to the Zambian national grid. Taifa Gas is expected to use the entry to

	explore more opportunities related to LPG utilisation, ranging from cooking gas to power
	solutions.
	This project is expected to advance Zambia's energy access rate.
Value of international donor	The Angolan Ministry of Finance has secured finance from the British bank, Standard
involvement in RE projects/	Chartered Plc, to build photovoltaic (PV) electricity distribution infrastructure for several
Clean Energy Technologies/	rural regions across Angola. The funds will facilitate the development of 48 hybrid
RE mix dynamics/	photovoltaic generation systems with energy storage to serve as "mini grids" and
Energy access	operate autonomously to provide renewable electricity for communities not connected
	to the national grid. The secured fund is to the tune of EUR 1.29 billion (USD 1.40bn). The
	finance will also support the expansion of the national grid in Malanje, northern Angola,
	and build new lines and networks connecting other municipalities. A major part of the
	financing, about EUR 1.2 billion, is backed by German Export Credit Agency Euler Hermes,
	while the remainder is a commercial loan.
	This development advances the Value of international donor involvement in RE
	projects, and the level of utilisation of Clean Energy Technologies as well as the RE mix
	dynamics and Energy access rate.
	5. TANZANIA ^{×li}
Value of international donor	The Organisation of the Petroleum Exporting Countries (OPEC) has disbursed a new loan
involvement in RE projects/	of US\$60 million from the OPEC Fund for International Development (the OPEC Fund) and
Clean Energy Technologies/	partners. The loan is expected to strengthen energy security in the northwest of Tanzania
RE mix dynamics/	significantly. The project will consist of the construction of a 166km overhead

Energy access	transmission line to connect the Kagera region to the national grid and replace the
	the two new hydropower plants will be operational in 2024 and 2030 with a nominal capacity of 80 MW and 87 MW, respectively. The financing of the project involves the contribution of several partners including the OPEC Fund with US\$30 million loan, as a first tranche of a US\$60 million facility, Abu Dhabi Fund for Development (US\$30 million), the Saudi Fund for Development (US\$12.8 million) and the government of Tanzania with US\$2.6 million. Other backers are set to finance a downstream distribution network that
	will connect many unserved communities to the grid. This development advances the Value of International donor involvement in RE projects as well as the energy access rate and level of utilisation of Clean Energy Technologies.

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14/07/23 – WEEK 2



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On this week's African Energy Transition Watch are;

Democratic Republic of Congo Rwanda Madagascar Senegal and Zimbabwe

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The Electricity Lawyer (EL) Africa Energy Transition Watch tracks the preparedness of countries across Sub-Saharan Africa (SSA) for the energy transition, using several energy transition indicators as curated by EL and mostly reflected in the EL Legal and Regulatory Indices Snapshot of SSA Power Markets: Energy Transition Pathway Ranking available at https://electricitylawyer.com/legal-and-regulatory-indices-snapshot/, including Energy access indicators, Level of deployment of clean energy technologies, Smart grids, Renewable Energy (RE) mix dynamics, Level of potential for attracting investment in Clean Energy Technologies, Off-Grid Framework and Scope of RE investment incentives, Transmission Network Structure, Interconnections and Grid Integration of RE Sources, Legal provisions for promoting climate change and policies on carbon trading, Value of international donor involvement in RE projects, etc.

On this week's African Energy Transition Watch are **Democratic Republic of Congo, Rwanda, Madagascar, Senegal** and **Zimbabwe.**

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. DEMOCRATIC REPUBLIC OF CONGO ^{xiii}	
RE mix dynamics/	A Canadian renewable energy development and engineering company was reported
Clean Energy Technology	to have acquired an 85% interest in two solar power projects in the Democratic Republic of Congo (DRC). With an installed capacity of 133 MWp each, the projects are located in Katanga and Lualaba Provinces of DRC. The project has secured a 20-year Power Purchase Agreement with Societe Nationale de l'Electricite (SNEL), DRC's national utility.

	This development contributes to increasing DRC's energy access rate from the
	current access rate of 9%. In addition, it contributes to the Clean Energy Technology
	Utilisation in DRC.
	2. RWANDA ^{xliii}
Energy access indicator	A \$20 million concessional development loan was signed with Rwanda to implement an electricity programme set to benefit at least 60,000 people in Rwanda. These 60,000 people are a mix of households, public institutions and social facilities in the Kamonyi District of Rwanda. The fund to be provided by Saudi, is targeted at the building of a network of medium and low-pressure power lines and electricity distribution transformers. The development is a part of a wider Energy Access and Quality Improvement programme whose objective is to improve access to reliable and cost-effective electricity services for the most underserved areas in Rwanda
	This development is set to increase the rate of energy access in Rwanda.
	3. MADAGASCAR ^{xliv}
Energy access rate	A Toronto-based battery materials development company (NextSource Materials Inc) recently announced completion of a 2.6-MW solar farm (Molo Graphite mine) in Madagascar, owned and operated by CrossBoundary Energy. The solar farm is part of a solar hybrid plant, that includes 3.1 MW of diesel generators, installed prior to mine commissioning, and a 1-MWh battery energy storage system, which is expected to be delivered at the site in the next weeks. The solar farm consists of 4,902 photovoltaic (PV) panels installed on ballasted mounting systems which is expected to generate about 4 GWh per year. It is expected that the hybrid project will generate 33% of the mine's power

	requirements from renewable energy and 100% of the plant's power needs during peak
	daylight hours.
	This developed increases the RE mix dynamics in the electricity generation mix in
	Madagascar and contributes to the level of Clean Energy Technology utilisation in
	Madagascar.
	4. SENEGAL ^{xIV}
Clean Energy Technologies	Senegal's strategy communicated in its "Emerging Senegal Plan" (a framework for the Senegal's economic and social policy and prioritizes infrastructure development and aims to drive long-term growth on the back of private investment) is divided into two phases. The first relies on public investment-led growth and the second prioritizes private investment. In support of the promotion of private investment, Senegal's government established a new public-private partnership statute in 2021 to boost private sector involvement and alleviate the government's financial burden. This has led to the launch of several large-scale infrastructure projects including Dakar's Bus Rapid Transit Project and Phase II of the Regional Express Train.
	Dakar Bus Rapid Transit Project is a comprehensive metropolitan program aimed at providing high-quality transportation and involves a mass transportation system which consists of large-capacity electric buses that operate solely in dedicated lanes. The BRT project is set to begin in the fourth quarter of 2023 and will cover a route of 18.3 km, traveling through 14 communes and serving around 300,000 people daily. While the Phase II of the Regional Express Train is a 19-km connection between Diamniadio and

	Blaise-Diagne International Airport. It is anticipated that the project will be completed
	by the end of 2023, with the addition of seven more trains.
	This project advances the utilisation of Clean Energy Technologies in Senegal.
5. ZIMBABWE ^{xivi}	
Clean Energy Technologies	Huayou (a Chinese company) invested \$300 Million to build a Lithium Plant in
	Zimbabwe. The plant (Arcadia hard rock deposit) which was acquired from Australian-
	listed Prospect Resources for \$433 million in the second quarter of 2022 will produce
	450,000 metric tons of lithium concentrates annually. The plant as exported close to
	30,000 metric tons which is equivalent to \$40 million in revenue generation. According
	to the deputy general manager of the Company, although the company is not at
	processing stage yet, feasibility studies are being undertaken on further processing.
	Although the company acknowledged that it would take a regional approach from quite
	a few mines coming together to do beneficiation (processing).
	This development, particularly considering the potential processing of batteries
	advances the Clean Energy Technology manufacturing potential of Zimbabwe.

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21/07/23 – WEEK 3



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On this week's African Energy Transition Watch are SOUTH AFRICA, MAURITANIA, BOTSWANA, and AFRICA at large.

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. SOUTH AFRICA ^{xIvii}	
Clean Energy Technology	A partnership between South Africa's public-private entity, Lebalelo Water User Association (LWUA), and an innovative energy solutions provider will introduce an emergency Battery Energy Storage System at Clapham pump station in Limpopo, South Africa. The Battery Energy Storage Systems will provide a backup to mitigate the risk associated with electricity shortages, particularly water reservoirs running dry.

	The utilisation of Battery Energy Storage Systems as a backup system advances the
	utilisation of Clean Energy technologies in South Africa.
Value of international donor	The European Investment Bank (EIB) is granting a €20 million in financing and a portfolio
involvement in advancing	guarantee to the Banque Mauritanienne de l'Investissement (BMI) in Mauritania. This
the climate mitigation	partnership which falls under the 2023-2027 agreement between the European
	Commission and the EIB for financing the private sector in Africa will support BMI's
	adoption of climate reporting in accordance with international norms.
	This development which will support the adoption of climate reporting advances and
	aids Mauritania's commitment to international climate obligations.
	3. BOTSWANA ^{xlix}
RE mix dynamics/	Botswana Power Cooperation, Botswana's sole electricity utility, has order a hundred
Clean Energy Technologies	solar LED lamps for streetlighting. The mayor of Francistown City Council (FCC) in a
	statement noted that this is part of Francistown's transit from the national grid to solar
	installation.
	This development advances the RE mix dynamics in Botswana and the utilisation of
	clean and energy efficient technologies in Botswana.
	4. AFRICA
Value of international donor	The European Investment Bank (EIB) announced the signing of a number of deals for the
involvement in RE projects	provision of more than half a billion euros in green transition loans in Europe and Africa,
	including funds supporting renewables. In Africa, EIB has declared its intention to
	commit about USD 40 million to Acre Impact Capital's innovative private debt fund,

	Export Finance Fund I, to speed up climate infrastructure investment across Africa. The financial commitment relates, amongst others, to renewable power, sustainable cities, and green transport. EIB noted that by providing specialist funding for this tranche, Acre Impact Capital's fund could mobilise USD 5.6 of private sector capital for each dollar
	invested.
	This development advances the Value of international donor involvement in RE
	projects in Africa which in turn will advance the RE mix dynamics and the level of
	utilisation of Clean Energy Technologies in Africa.
	5. AFRICA"
Value of international donor	NORFUND, a Norwegian Investment Fund for Developing Countries has indicated its
involvement in climate	intention to grant a convertible loan of \$12.7 million to Wecyclers and Miniplast,
projects/	organisations based in Nigeria and Ghana respectively. These organisations
Clean Energy Technology	specialising in the recycling of plastic waste, will use the funds to expand their
	operations in the two West African countries.
	This development advances both the Value of international donor involvement in
	clean technology projects which in turn will advance the level of clean technology
	utilisation in Africa.

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28/07/23- WEEK 4



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On this week's African Energy Transition Watch are Angola, Ivory Coast, South Africa and Africa at large.

Energy Transition	Energy Transition Development(s) across Africa
Indicator(s)	
RE mix dynamics/	On 24 July 2023, Angola received financing to the tune of \$1.4 billion from Standard
Clean Energy Technology	Chartered for the Angolan Ministry of Finance to build photovoltaic electricity distribution infrastructure for rural villages across Angola. It is expected that this construction will support rural villages across Angola to become self-sufficient and less reliant on Angola's main electricity network. The project will benefit approximately 203,000 households in 60 communities

	This project advances the RE mix dynamics in Angola, in addition to the level of
	utilisation of Clean Energy Technologies in the country.
	2. IVORY COAST ⁱⁱⁱ
RE mix dynamics/	Biovea Energy, a special purpose vehicle set up to build the Biovea biomass power plant,
Clean Energy Technology/	was granted a €35 million to fund the project. The fund being granted by the Emerging
Value of international donor	Africa Infrastructure Fund (EAIF) of the Private Infrastructure Development Group will
involvement in RE projects	enable lvory Coast's energy sector to move towards carbon neutrality and while
	achieving the completion of the biomass project. The loan was equally accompanied
	by €8 million technical assistance grant.
	This project advances the RE mix dynamics, Clean Energy Technology utilisation and
	Value of International donor involvement in RE projects.
3. SOUTH AFRICA ^{liv}	
RE mix dynamics/	Cennergi Holdings, a subsidiary of South African mining company recently announced
Clean Energy Technologies	the completion of the financing of its Lephalale solar power plant. The financing was
	completed a year after South Africa's National Energy Regulator approved the solar
	project. The solar power plant will generate 68MW of power-to-power Exxaro Resources'
	Grootegeluk mine in Limpopo province of South Africa. Cennergi will sell the generated
	electricity to Exxaro Resources under a 25-year power purchase agreement.
	This development advances the increased utilisation of RE in South Africa which in
	turn increased the Clean Energy Technology in South Africa.
4. AFRICA [™]	

Climate Resilient projects	CNRS, the French National Centre for Scientific Research, has announced the stepping
	up of its scientific cooperation with Africa. Accordingly, 32 initiatives by African
	researchers focusing on urban planning, water and climate have been selected to
	receive technical and financial support, knowledge-sharing and doctoral grants
	respectively following a series of calls for projects launched in 2023 by the Paris-based
	institution. The "TanzaShule" project, designed jointly by Stéphanie Gautier-Raux from
	the Géosciences Montpellier (GM) laboratory in France and Remigius Lucius Gama from
	the University of Dar Es-Salaam in Tanzania, was one of the selected projects. The
	project focuses on the assessment of geological and climatic risks in the north of this
	East African country, where Mount Kilimanjaro is facing the dual challenge of a shrinking
	ice cap and fires.
	Inis development can be expected to davance climate resilient projects and
	potentially Clean Energy Technologies for the abatement of the potentially identified
	5. AFRICA ^M
Clean Energy Technology	Spiro, a mobility start-up which operates in Benin, Togo and Rwanda is joining forces
	with the Austrian company Horwin and together both companies have set up a joint
	venture specialising in the manufacture of bicycles and electric batteries in Africa.
	Besides job creation, will also help to reduce carbon dioxide (CO ₂) emissions on the
	continent.
	This development advances the utilisation of Clean Energy Technologies in Africa.

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04/08/23 - WEEK 1



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Energy Transition	Energy Transition Development(s) across Africa
Indicator(s)	
1. KENYA ^{1vii}	
Clean Energy Technology	 Roam, a start up mobility company recently inaugurated its new factory in Nairobi. The factory is said to be the largest of its kind in East Africa with an annual production capacity of 50,000 electric motorbikes. The facility will enable the conversion of the thousands of petrol-powered motorbike taxis (boda boda) to electric power. This development increases the level of Clean Energy Technologies utilisation in
	Kenya.

On this week's African Energy Transition Watch are **Kenya**, **Tanzania**, **Ethiopia**, **Rwanda**, **and South Sudan**.

2. TANZANIA ^{Iviii}	
Existence of international	The World Bank Group, Tanzanian Government, and the Nordic Development Fund, co-
donor involvement in RE	financed the Dar es Salaam Metropolitan Development Project (DMDP). The parties
projects	contributed \$300 million, \$44 million, and \$6 million respectively, amounting to a total
	of \$350 million. The funding has so far enabled an analysis on how green spaces can
	reduce flooding and erosion, for the development of guidelines on how greening should
	form part of the infrastructure. The results will enable the greening of roadsides, cycle
	paths or drainage channels".
	This development illustrates the existence of international donor involvement in RE
	projects.
3. ETHIOPIA ^{lix}	
Clean Energy Technologies	Russia and Ethiopia executed a roadmap for bilateral cooperation in the use of atomic
	energy for peaceful purposes. The roadmap defines specific steps that the parties will
	take in 2023-2025 to explore the possibilities of building a nuclear power plant of large
	or small capacity, as well as a Nuclear Science and Technology Centre in Ethiopia.
	Zimbabwe and Russia executed an intergovernmental agreement establishing a legal
	framework for cooperation between both entities for the peaceful use of atomic energy
	in a wide array of areas. Additionally
This development advances the Clean Energy Technologies utilisation in Ethiopia.	
4. RWANDA ^{Ix}	

Clean Energy Technologies	Based on a recently signed Partnership between Rwanda company AC Group and BasiGo (a Kenyan mobility start-up), BasiGo's electric buses are expected to soon commence plying the roads of Kigali in Rwanda. The partnership will capitalise on the Pay-As-You-Drive financing model to fund the acquisition of the eco-friendly vehicles.
	This development advances the use of clean energy technologies in Rwanda.
5. SOUTH SUDAN ^{Ixi}	
RE mix dynamics	Sunnova Energy International, a U.S-based energy services firm, has partnered with.
Clean Energy Technologies	Seeding Mercy, a non-profit organization to provide energy access to rural farmers in South Sudan through off-grid solar powered irrigation pump systems. The CEO of Seeding Mercy notes that the utilisation of clean and renewable energy have reduced dependence on scarcely available fossil fuels and introduced sustainable irrigation practices. The project is being deployed in 10,000 acres of land awarded by the South Sudan government. This development advances the use of clean energy technologies in South Sudan.

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08/11/23



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On this week's African Energy Transition Watch are **South Sudan, Benin and Togo, Namibia, South Africa, and Africa at large.**

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. SOUTH SUDAN ^{1×ii}	
RE mix dynamics	In furtherance of Egyptian-South Sudanese collaboration in various fields including electricity, health, education, transportation and local content development, Egypt has supported the construction of twenty solar-powered stations in South Sudan. The support is aimed at meeting the East African country's sustainability standards.

	This development advances the RE mix dynamics in South Sudan, in addition to the
	level of Clean Energy Technologies utilisation in South Sudan.
	2. BENIN AND TOGO ^{1x111}
Clean Energy Technologies	A company in the Private Infrastructure Development Group (PIDG) (GuarantCo) and the French bank Société Générale have issued a credit facility of 37.8 billion CFA francs to finance electric mobility solutions from Spiro (an e-mobility start-up company). Spiro will be assembling 15,700 electric motorbikes over the next few months and operate 31,400 batteries in Benin and Togo, accompanied by the installation of 1,000 exchange stations for the existing fleet.
	This development advances the Clean Energy Technologies utilisation in Benin and
	Togo.
3. NAMIBIA ^{lxiv}	
Clean Energy Technologies	Elevate Uranium, an Australian-based uranium exploration company, recently confirmed the presence of "large continuous mineralized zones" at its Koppies uranium project in Namibia. Drilling activities of the additional rig has been commenced in addition to two reverse circulation drill rigs under which exploratory works.
	This development advances the availability of Uranium, a key component of nuclear
	energy- a low carbon energy source.
	4. SOUTH AFRICA ^{IXV}
Level of International Donor	The Multilateral Investment Guarantee Agency (MIGA), a part of the World Bank Group,
Involvement	has given an assurance of \$18.9 million to protect BTE Renewables' investment in a solar
	power plant called MBP, which is in South Africa owned by BTE, an independent power
	producer, pursuant to a recent acquisition from Sonnedix Solar, a South African

	company. This guarantee lasts for 15 years and safeguards BTE Renewables against risks like restrictions on transferring ownership, government seizure, conflicts, and contract breaches. MIGA is providing this guarantee to support the shift towards cleaner energy in South Africa.
	This development advances the level of International Donor Involvement in Africa.
5. AFRICA ^{Ixvi}	
Clean Energy Technology	British company Bboxx and mobility start-up Spiro have initiated a partnership to expand electric motorbikes to three African countries (Rwanda, Kenya and Togo). The two companies will pool their sustainable solutions for the development of electric mobility in Kenya, Rwanda and Togo to provide solutions to the high upfront cost associated with purchasing of such e-vehicles.
	This development advances the level of deployment of Clean Energy Technologies in
	Africa.

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18/08/23



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On this week's African Energy Transition Watch are **Zimbabwe**, Uganda, South Africa, Tanzania and Kenya.

Energy Transition	Energy Transition Development(s) across Africa
Indicator(s)	
1. ZIMABABWE ^{lxvii}	
Clean Energy Technologies	Faced with rising global demand for electric vehicles, Zimbabwe is constructing a lithium processing plant that will also help to rebuild the country's faltering economy. Each year, 450,000 tonnes of lithium will be processed by Prospect Lithium Zimbabwe (PLZ), who just received government approval to do so. This should hasten Zimbabwe's positioning in the global electric vehicle market, considering that car manufacturers are growing interest in its lithium potential.

	This development advances the level of Clean Energy Technologies adoption and
	utilisation in Zimbabwe.
Legal Provisions for	Members of the Parliament of Uganda have urged the Ministry of Agriculture, Animal
combating climate change	Industries and Fisheries (MAAIF) to consider enacting a policy for requiring all large-
	scale farmers to plant tress on a specified percentage of land. This action will
	complement national forests which were already being degraded considering that
	farming is one of the highest contributors to climate change.
	This development advances the legal provisions for combating climate change in
	Uganda.
3. SOUTH AFRICA ^{lxix}	
RE mix dynamics	Activists' organisations have helped to establish three community-owned renewable
	energy projects In the various provinces of South Africa. Three solar power units were
	Installed In eKhenana, Wentworth and eMalahleni. In eKhenana, at Cato Manor, a
	communal electricity hub and library were set up.
	This development advances the renewable energy mix dynamics as well as the
	deployment of clean energy technology in South Africa.
	4. TANZANIA ^{lxx}
Existence of International	An electricity access provider, d.light, secured a \$30 million securitisation facility from
Donor Involvement	the Trade and Development Bank of Eastern and Southern Africa (TDB), with the
	capacity to purchase up to \$125 million worth of assets. As a scalable financing method,
	securitisation is an important fiscal tool to help African countries achieve the United
	Nations (UN) Sustainable Development Goals (SDGs) on energy access.

	This development advances the existence of International Donor Involvement and
	energy access in Tanzania.
	5. KENYA ^{lxxi}
Energy access indicator/	Sosian Energy, a Nairobi-based energy company, has just connected its Menengai
RE mix dynamics/	geothermal power plant to Kenya's national grid. This will increase Kenya's installed
Grid Integration of RE	electricity capacity by 35 MW. Sosian Energy, the project developer (an independent
Sources/	power producer) is purchasing the steam required to operate the plant from the Kenyan
Clean Energy Technologies	state-owned Geothermal Development Company (GDC), which has already drilled several geothermal wells at the project site. Under the existing agreement between the two parties, Sosian Energy will pay 1.7 billion Kenyan shillings (\$14.5 million) per year for the next 25 years to GDC through Sosian Menengai Geothermal Power.
	This development advances the level of energy access to energy, RE mix dynamics, level of Clean Energy Technologies utilisation and grid integration of renewable energy sources In Kenya.

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25/08/23


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Energy Transition
Indicator(s)Energy Transition Development(s) across AfricaIndicator(s)1. NIGERIA^{boxii}Clean Energy Technologies/
RE mix dynamicsA new facility to enable electric vehicle batteries to be powered by solar energy have
been inaugurated at the University of Nigeria Nsukka (UNN) in Enugu State, southern
Nigeria. The facility, powered by solar infrastructure was installed by the National
Automotive Design and Development Council (NADDC) and will enable Nigerian electric
vehicle drivers to charge their batteries at their disposal.

On this week's African Energy Transition Watch are Nigeria, Rwanda, Madagascar, Benin, and South Africa.

	This development advances the level of Clean Energy Technologies adoption and
	utilisation, in addition to the RE mix dynamics in Nigeria.
	2. RWANDA ^{Ixxiii}
Clean Energy Technologies	eWaka, a Kenyan technology solutions start-up has indicated its entrance to the electric vehicle market in Rwanda. eWaka plans to deploy 1,000 electric vehicles (bicycles and scooters) by 2024 in phases. The first phase will deploy 500 vehicles in the city of Kigali from the end of December 2023 in partnership with the Rwandan company AC Mobility, which will provide its technological solutions.
	This development advances the level of Clean Energy Technologies adoption and
	utilisation in Kenya.
	3. MADAGASCAR ^{lxxiv}
Clean Energy Technologies/	Madagascar has announced that its first "Urban Train" line will come into service in the
RE mix dynamics	coming weeks. The project which cost a total cost of 179 billion ariary (36.4 million euros) and was financed entirely by the island's government and executed by the Madarail
	company has already been completed. The infrastructure will provide a 12-kilometre link
	between Soarano station near Antananarivo and Amoronakona. The rail network will be
	powered by a 5 MW solar power plant built by the public utility Jiro sy rano malagasy (JIRAMA).
	This development advances the renewable energy mix dynamics as well as the
	deployment of clean energy technology in Madagascar.
	4. BENIN ^{ixxv}
Legal Provisions for	A new legislation on sustainable urban planning is under consideration in Benin. The bill
combating climate change	which is centred on sustainable urban planning is expected to compel civil society to

	"adopt new rules for living in cities" is being examined by the parliament of the Republic
	of Densing If an answer of the law on when a law is a will reach it a social to the set of the
	of Benin. If promulgated, the law on urban planning will make it possible to toughen the
	penalties provided for in existing legislation. The bill incorporates administrative
	measures such as the invoicing of waste collection services in the councils of Sèmè-
	Podji and Ouidah, among others.
	This bill, if promulgated, will advance Legal Provisions for combating climate change
	in the Republic of Benin.
	5. SOUTH AFRICA ^{1xxvi}
Natural Gas	The Industrial Development Corporation of South Africa (IDC), a national development
	finance institution, and Afro Energy have executed a non-binding Terms sheet to jointly
	develop the appraisal and production of natural gas, being the equivalent size of 50MW
	developing to 500MW. Block 1 of the project will consist of a 50MW-equivalent ING size
	operation for commercial development of on-shore wells within existing granted
	Exploration Dights and further blocks will consist of commercial development of
	additional on-shore natural gas wells for balance of gas for 450MW-equivalent LNG size
	operations, being incorporated via further blocks SPVs.
	Natural Gas is internationally recognised as a transition fuel. This development
	advances the readiness of South Africa, who have hitherto relied heavily on Coal for
	electricity generation, to transition to low carbon energy sources.

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On this week's African Energy Transition Watch are **Egypt, South Africa, Burundi, Djibouti and Africa at large.**

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. EGYPT ^{Ixxvii}	
RE mix dynamics/	Egypt has secured a Deal for a 3GW Wind Farm Project. The deal was signed to allocate
Clean Energy Technologies	land to build, own, and operate a wind farm project of about 852 km2 in West Sohag. According to the Minister of Electricity and Renewable Energy, Mohamed Shaker, the project would reduce carbon dioxide emissions by 6.5 million tonnes annually and create 7,000 job opportunities.

	This development advances the level of Clean Energy Technologies adoption and
	utilisation, in addition to the RE mix dynamics in Egypt.
	2. SOUTH AFRICA ^{Ixxviii}
RE mix dynamics/	A crypto investor has used bitcoin to purchase 98% of solar cells required to develop a
Clean Energy Technologies	solar project in South Africa's Pretoria Boys High School. The project has been estimated
	to contribute towards abating 5,800 tonnes of carbon over 20 years, equivalent to taking
	210,000 petrol cars off the road for a year and reduce the school's reliance on diesel
	generators.
	This development advances the level of Clean Energy Technologies adoption and
	utilisation in South Africa.
	3. BURUNDI ^{Ixxix}
RE mix dynamics/	European Development Finance Institutions (EDFI)-Electrification Financing Initiatives
Clean Energy Technologies	(ElectriFI) Country Window has committed \$1 million to a manufacturer of solar home
	systems and productive appliances (AMPED Innovation). The fund is said to be a
	revolving Working Capital Facility. The fund will co-finance AMPED's orders for solar
	home systems. The systems are expected be deployed in Burundi through the aid of
	local distributors.
	This development advances the deployment of clean energy technologies in Burundi
	which will in turn increase the PE mix dynamics
DE mix dynamical	4. DJIDOUII
RE MIX aynamics/	AMEA POWER Has signed a 25-megawall (MW) solar contract with Djibouli. The contract
Clean Energy Technologies	signed by the Chief Executive Officer of the national utility company, Electricite de
	Djibouti (EDD), Mr Djama Ali Guelleh and, the Chairman of AMEA Power, Mr Hussain Al

	Nowais will see the development of a 25MW solar project, including Battery Storage. The
	project is expected to generate 55GW of clean energy yearly. The project is being
	developed under a Build-Own-Operate and Transfer (BOOT) model. It is anticipated
	that the Sovereign Fund of Djibouti would join the project as a minority shareholder
	before the financial close.
	This development increases the proportionate share of RE in Djibouti's energy mix
	and by extension the level of deployment of Clean Energy Technologies.
	5. AFRICA ^{Ixxxi}
Existence of International	By the records of International Finance Corporation (IFC) a total of \$11.5 billion have been
donor involvement in RE	provided in financing in Africa in the 2023 fiscal year. The finance was geared towards
projects	the acceleration of Africa's energy transition. Specifically, \$876 million was provided to
	advance Africa's green energy transition and about 40% of the \$11.5 billion was
	dedicated to addressing climate change. \$1.1 billion of the fund was lent to AMEA Power
	to build Egypt's largest wind and solar plants and \$1.2 billion was provided to financial
	institutions to expand climate and sustainability lending.
	This represents the existence of international donor involvement in RE projects in
	Africa.

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On this week's African Energy Transition Watch are Nigeria, South Africa, Rwanda, Kenya, and Mali.

Energy Transition	Energy Transition Development(s) across Africa
Indicator(s)	
1. NIGERIA ^{bxxxii}	
RE mix dynamics/	JinkoSolar recently provided an energy storage system (ESS) for a mini-grid project in
Clean Energy Technologies	Nigeria, in partnership with the Rural Electrification Agency (REA). The project, which is
	part of the REA performance-based grant programme, features a 2.03MWh
	Commercial & Industrial (C&I) energy storage system (JKS196-675K-150H) that was
	delivered to A4&T Power Solutions. The ESSs are designed to enhance the resilience of
	the electrical supply, providing a strong return on investment for stakeholders.
	JinkoSolar's C&I ESS is a fully integrated, pre-configured battery storage solution that

	uses high-quality lithium iron phosphate battery (LFP) battery chemistry to deliver 135kWh of battery capacity. The turnkey solution includes an inverter, battery cabinet, battery modules, battery management systems (BMS,) local controller, cooling system, and fire suppression system, all housed in outdoor rated enclosures. This solution	
	reduces on-site installation time and allows for easy scalability of the mini-grid system.	
	This development advances the level of Clean Energy Technology adoption and	
	utilisation, in addition to the RE mix dynamics in Nigeria	
2. SOUTH AFRICA ^{1xxxiii}		
RE mix dynamics/	The Minister of Electricity in South Africa, Kgosientsho Ramokgopa, has announced plans	
Clean Energy Technologies	to expand the country's grid to accommodate renewable energy projects. The ministry	
	recently issued bids for renewable projects, and 134 bids were awarded during the	
	selection phase, providing the country with an II,904MW installed electricity capacity.	
	The government also alms to expand transmission lines by 14,000km in the next decade	
	to accommodate renewable energy projects.	
	This development advances the level of renewable energy adoption and utilisation in	
	South Africa	
	3. KENYA ^{1xxxiv}	
RE mix dynamics/	Uber has announced its new electric mobility venture in Kenya, starting with the	
Clean Energy Technologies	deployment of 3,000 e-motorbikes on Nairobi's roads. This aligns with President William	
	Ruto's vision, as he urged investors to introduce up to 200,000 electric two-wheelers on	

	This development advances Clean Energy Technologies' adoption and utilisation in
	Kenya.
	4. MALI ^{Ixxxv}
Existence of International	The International Development Association (IDA) has granted Mali \$157 million in
donor involvement in RE	financing to boost the dependability and efficiency of its electricity system. The funding
projects	will also aid in expanding access to electricity in specific project locations and support
	the integration of renewable energy.
	This showcases the existence of international donor involvement in RE projects in Mali
	5. RWANDA ^{lxxxvi}
RE mix dynamics/ Clean Energy Technologies	A technology solutions start-up called eWaka in Kenya is expanding into the electric vehicle market in Rwanda. eWaka aims to introduce 1,000 electric bicycles and scooters to Rwanda by 2024. The initial phase will involve deploying 500 vehicles in Kigali starting from December 2023. AC Mobility, a Rwandan company, will partner with eWaka to offer its technological solutions.
	This development will help reduce the consumption of fossil fuels (petrol and diesel), responsible for air pollution in the region.

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On this week's African Energy Transition Watch are Kenya, Djibouti, Nigeria, South Africa, and Africa at large.

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
5. KENYA ^{lxxxvii}	
Legal provisions for	Following the Africa Climate Summit in Nairobi, the Republic of Kenya launched on
promoting climate change	Tuesday, the 5th of September 2023, a Green Hydrogen Strategy and Roadmap that
and policies on carbon	includes a two-phase implementation plan for the period 2023-2032. The European
trading/	Commission participated in the development of the roadmap and pledged to grant
	nearly EUR 12 million (USD 12.9m) "to leverage public and private investments in the

Existence of international	Kenyan green hydrogen industry" under the Global Gateway, Europe's investment
donor involvement in	strategy for the world.
climate projects	
	This development advances Kenya policies for promoting climate action. It also
	displays the existence of international donor involvement in climate projects.
	6. DJIBOUTI ^{Ixxxviii}
RE mix dynamics/	The Republic of Djibouti has inaugurated its first-ever wind farm. The wind far project
Clean Energy Technologies/	consist of a 60-MW facility located near Lake Goubet spanning across 387 hectares with
Existence of international	17 Siemens turbines each producing 3.4 MW of renewable electricity. The project also
donor involvement in RE	consists of a 220- MVA substation and is connected to the grid by a five-kilometre (3.10
projects	miles) overhead transmission line. The project which cost USD-122-million (EUR 113.6m)
	marked the first significant international investment in the energy sector in Djibouti.
	This development advances the RE mix dynamics in Djibouti which in turn advances
	the level of deployment of clean energy technologies in the country. In addition, the
	project which was sponsored by international investments signals the existence of
	international donor involvement in RE projects in Djibouti.
	7. NIGERIA ^{lxxxix}
Clean Energy Technologies	The first phase of the Lagos metro, a new sustainable mobility project powered by
	electric traction, was launched in Nigeria to run over a distance of 27 kilometres. The
	train is expected to transport 175,000 passengers daily. The project was undertaken by
	the China Civil Engineering Construction Company (CCECC), a subsidiary of the China
	Railway Construction group based in Beijing, China. The second line of the metro project
	which is expected to serve up to 500,000 people is underway.

	This development advances the level of adoption of clean energy technologies in	
Nigeria. 8. SOUTH AFRICA ^{xc}		
RE mix dynamics/ Clean Energy Technologies	The Western Cape Minister of Infrastructure in South Africa earmarked \$1.3 million for the installation of 976 solar geysers across various human settlement projects. The initiative will see 53 households' beneficiaries living with disabilities adopt fitted solar panel by the end of 2023.	
	This development advances the level of RE in South Africa's energy mix, in addition to the level of adoption clean energy technologies in South Africa.	
	5. AFRICA ^{xci}	
Existence of International donor involvement in RE projects	A Kenya-based investment fund Catalyst has just completed a fundraising round that raised \$8.6 million to finance 40 African start-ups focused on the climate. The fund which is for the implementation of the 17 Sustainable Development Goals (SDGs) in Africa will finance innovative solutions and contribute to climate resilience on the continent. This sum will be divided between 40 African start-ups, whose names and allocations (between \$200,000 and \$1.5 million) have yet to be determined.	
	This development showcases the existence of international donor involvement in climate projects in Africa projects.	

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On this week's African Energy Transition Watch are Nigeria, Benin, Kenya, Ghana and Africa at large.

Energy Transition	Energy Transition Development(s) across Africa	
Indicator(s)		
1. NIGERIA ^{xcii}		
Existence of international	The African Development Bank (AfDB) has pledged to disburse a previously approved	
donor involvement in RE	\$250 million fund for the Nigeria Electrification Project (NEP). The NEP project is under the	
projects	Rural Electrification Agency (REA) to tackle the energy crisis. This pledge during a	
	bilateral meeting at the ongoing "Just Energy Transition and Agricultural Transportation	
	for Africa" conference in Busan, South Korea. The conference was organised by the	
	Korea-Africa Economic Cooperation (KOAFEC) and the Africa Development Bank (AfDB).	

	This development showcases the existence of international donor involvement in RE
	projects.
2. BENIN ^{xciii}	
Clean Technologies	As part of their CSR (Corporate Social Responsibility) initiatives in Benin, South African telecommunications multinational MTN and Swedish technology solutions provider Ericsson have announced the collection and recycling of 123 tonnes of waste electrical and electronic equipment (WEEE) over the past two years. Between 2021 and 2023, 123 tonnes of waste electrical and electronic equipment (WEEE) were collected and recycled in several towns, including Cotonou and the capital Porto-Novo, where 34% of Beninese people have access to the internet daily, according to the International Telecommunications Union (ITU).
3. KENYA ^{xciv}	
Level of potential for attracting investment in Clean Energy Technologies	In a notice by Kenya Power, it is said that residents in nine slums in Kenya are to have the option of buying electricity from private companies. This is part of its initiative to explore innovative retailing models for electricity within designated selected high- density settlement areas.
	This development will increase Kenya's level of potential for attracting investment in
	Clean Energy Technologies.
4. GHANA ^{xev}	

Electricity access	As part of Ghana's aim for 100 per cent Universal Energy Access, it has been noted that Ghana will potentially commence electricity Export to Nigeria. To this end, Ghana is
	actively working on plans and policies to develop its power sector to achieve 100 per
	cent universal energy access and potentially export electricity to Nigeria.
	The advancement of this plan by Ghana will advance the electricity access rate in
	Nigeria and Africa.
5. AFRICA ^{xcvi}	
Existence of international	The Islamic Development Bank has granted a loan of \$800 million to finance the
donor involvement in RE	Sustainable Development Goals (SDGs) in eight countries. The countries include
projects	Mauritania, Mozambique and five other countries in Africa. The loan will be used to build
	a number of infrastructure projects designed to improve the living conditions of their
	populations. The projects will focus on energy (SDG7), education (SDG4), agri-food
	(SDG2) water and sanitation (SDG6) and energy (SDG7) among others
	(oboz), water and samation (oboo) and energy (obor), among ethers.
	This development showed as the existence of international dense involvement in PE
	inis development showcases the existence of international donor involvement in RE
	projects.

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On this week's African Energy Transition Watch are Namibia, Kenya, Ghana, Egypt, and Senegal.

Energy Transition	Energy Transition Development(s) across Africa
Indicator(s)	
1. NAMIBIA ^{xcvii}	
Level of deployment of	A lithium mine is currently being developed in western Namibia by global exploration
Clean Energy Technologies	and development company, Lepidico, which is engaged in discussions with various U.S.
	companies to fully exploit Namibia's lithium take-off, while also targeting various by-
	products including cesium and rubidium. On the other hand, drilling has commenced
	at the Opuwo Cobalt Mining Project. Andrada Mining was also reported to have
	produced the first bulk lithium concentrate at its Nai-Nais mine, as part of an off-site
	pilot test program to investigate the mine's potential.

	This development advances the Level of potential for attracting investment in Clean
	Energy Technologies which in turn advances the countries readiness for a transition
	to clean energy.
	2. KENYA ^{xcviii}
Existence of international	Kenya has signed a \$60 million deal with a United States (US) Aid Agency for the
donor involvement in RE	acquisition of electric buses to assist Kenya address its challenge of limited connectivity
projects	in urban areas while contributing to innovative transport solutions in Kenya.
	This development represents the existence of international donor involvement in RE
	projects in Kenya.
	3. GHANA ^{xcix}
Level of potential for	Lithium Resource Ghana Ltd has invested \$2 million into exploration for lithium on a 646-
attracting investment in	square metre kilometre concession on the lithium corridor in the Central Region. The
Clean Energy Technologies	project will see the establishment of Africa's first refinery in Takordi in the Western
	Region.
	This development advances the potential for attracting investment in Clean Energy
	Technologies in Ghana.
	4. EGYPT°
Existence of international	The International Finance Cooperation (IFC) financed \$25 million for sustainable steel
donor involvement in RE	production in Egypt. IFC which is the private sector financing arm of the World Bank
projects	Group issued the fund as a loan to Kandil Steel to an Egyptian company for the purpose
	of increasing its steel production capacity while reducing the environmental impact of
	its activities.

	This development showcases the existence of international donor involvement in RE projects.
5. SENEGAL"	
Energy Efficiency	Teyliom Group's subsidiary, Teyliom Properties, has been awarded the Edge label (Excellence in Design for Greater Efficiency) by the International Finance Corporation (IFC), the private sector arm of the World Bank Group for environmentally friendly buildings in Dakar, Senegal.
	This recognition showcases the utilisation of energy efficiency mechanisms as a means of promoting low carbon emissions.

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On this week's African Energy Transition Watch are Morocco, Madagascar, Nigeria, Ghana, and Angola.

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. MOROCCO ^{cii}	
Existence of international	The International Monetary Fund (IMF) granted \$1.3 billion to Morocco for the
donor involvement in RE	strengthening of capacity to prepare for natural disasters and stimulate the financing
projects	of sustainable development in several cities. The IMF is lending the Cherifian Kingdom
	\$1.3 billion dollars as part of its Resilience and Sustainability Facility (RSF), which aims to
	support the growth of countries, in line with one of its three core missions. This support

	will be used to implement a number of green projects in Marrakech and other cities,
	including Rabat and Casablanca.
	This development highlights the existence of international donor involvement in PE
	projecto
Existence of international	The African Development Bank (AfDB) financed a project in Madagascar which is aimed
donor involvement in RE	at addressing the socio-economic and environmental impacts of climate change on
projects	the population and ecosystems. The project was financed by African Development Fund
	(ADF) Project Preparation Facility. Madagascar's Ministry of Water, Sanitation and
	Hygiene launched the preparation phase of the Project to Mobilise. Protect and Enhance
	Water Pesources and Strengthen Pesilience to Climate Change
	Water Resources and Strengthen Resilience to Climate Change.
	This development contributes to the existence of international donor in climate
	change related projects in Madagascar.
	3. NIGERIA ^{civ}
Level of deployment of clean	Empower New Energy is providing \$13 million in financing to WATT Renewable
energy technologies	Corporation for the installation of hybrid solar systems to power telecoms pylons. The
	company, based in Calgary, Alberta, Canada, has secured \$13 million in financing from
	Empower New Energy, an investment company specialising in renewable energy, "This
	financing represents Empower New Energy's largest investment to date " says WATT
	which is working to departuring tologommunications maste in Nigeria
	which is working to decarbonise telecommunications masts in Nigeria.

	This development contributes to the level of deployment and utilisation of clean
	energy technologies in Nigeria.
	4. GHANA ^{cv}
Level of deployment of clean	The government of Ghana has signalled its intention to launch a \$550 billion investment
energy technologies	plan for the energy transition. The investment plan is targeted at the electricity and
	mobility sectors. With this plan, Ghana aims to be carbon neutral by 2060.
	Currently more than 3,000 MW of Ghana's installed electrical capacity (5,300 MW) comes from fossil sources, and over 70% of the population still cook using wood fires
	and other polluting solutions. This development will advance the utilisation of clean
	energy technologies in Ghana.
	5. ANGOLA ^{cvi}
Natural Gas	In Angola, Global oil and gas services provider Sapura Energy has been awarded a \$300 million contract by Azule Energy (a 50:50 joint venture between oil and gas supermajors Eni and BP) for the provision of offshore transportation and installation services for Angola's offshore Northern Gas Complex project. According to the contract, Sapura Energy will provide engineering services, transportation and installation, and other services for the Quiluma and Maboqueiro platforms, with work for the project expected for completion by the fourth quarter of 2026.
	In light of the support of the European Union's declaration of Natural Gas as a
	transition fuel, this development advances the transition from dirty fuel sources to
	cleaner energy sources in Angola.

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On this week's African Energy Transition Watch are Nigeria, South Africa, Botswana, Cameroon and SSA.

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. NIGERIA. ^{cvii}	
Natural Gas	The set-up of a new Gas processing facility in the Niger-Delta region, Bayelsa State has been announced. The project will be funded by the African Export-Import Bank (Afreximbank) pursuant a seven-year loan agreement. The project will be constructed following an agreement with Nigeria's Alphaden Energy & Oilfield Limited to construct a 20 million standard cubic feet per day facility.

	This development advances the utilisation of natural gas as a transition fuel in	
	Nigeria.	
	2. SOUTH AFRICA ^{cviii}	
Clean Energy Technology	A partnership has just been formed between the South African subsidiary of German	
	carmaker BMW, mining operator Anglo American and chemicals giant Sasol. The aim is	
	to accelerate the development of hydrogen-powered mobility in the rainbow nation.	
	This development advances the Clean Energy technologies in South Africa and	
	accelerates the adoption of internal combustion engine vehicles and the	
	development of the corresponding infrastructure in the country.	
	3. BOTSWANA ^{cix}	
RE mix dynamics/	Bobonong and Shakawe solar photovoltaic power stations are coming on stream in	
Clean Energy Technologies	Botsawana. These facilities which were built under public-private partnerships (PPP), will	
	inject 4 MW into Botswana's national electricity grid.	
	This development advances the RE mix dynamics in Botswana and the clean energy	
	technologies in Botswana.	
	4. CAMEROON ^{cx}	
RE mix dynamics/	Cameroon's Minister of Water and Energy, Gaston Eloundou Essomba, has inaugurated	
Clean Energy Technologies	the 36 MWp Maroua and Guider solar photovoltaic (PV) plants in the Grand-North region	
	of the Central African country. The facilities serve as the first large-scale solar PV plants	
	in Cameroon.	

	This development advances the RE mix dynamics in Cameroon which in turn
	advances the level of utilisation of Clean Energy technologies.
5. SUB-SAHARAN AFRICA (SSA) ^{cxi}	
Existence of international	A funding for clean cooking by the Modern Cooking facility for Africa is scheduled to be
donor involvement in RE	lunched at the end of November 2023 to support private sector companies in working
projects/	within the clean cooking and renewable energy sector in SSA.
Clean Energy Technology	
	This development showcases the existence of international donor involvement in RE
	projects and advances the level of utilisation of Clean Energy Technologies in SSA.

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On this week's African Energy Transition Watch are Madagascar, Rwanda, Kenya, South Africa, and Africa at large.

Energy Transition	Energy Transition Development(s) across Africa
Indicator(s)	
1. MADAGASCAR ^{cxii}	
RE mix dynamics/	Canadian mining company NextSource Materials has announced the commissioning
Clean Energy Technology	of a 2.69 MW solar power plant at the Molo mine in Madagascar. Equipped with a battery storage system, the facility is operated by CrossBoundary Energy (CBE). The solar power plant operating at the Molo mine has 4,902 panels installed over an area of 1.3 hectares and will be able to supply up to 100% of the Molo processing plant's electricity needs during peak hours of the day.

	This development advances the level of utilisation of Clean Energy Technologies in
	Madagascar and by extension the RE mix dynamics.
	2. RWANDA ^{cxiii}
Existence of international	Utilising a \$35 million loan financed by the French Development Agency (AFD) and the
donor involvement in RE	World Bank Group, the French Development Agency (AFD), via its subsidiary Proparco,
projects	has joined forces with the International Finance Corporation (IFC) to finance green
	buildings. The aim is to build retail space, offices and conference rooms. The climate
	friendly room will create 700 local jobs.
	This development represents the Existence of international donor involvement in RE
	projects.
	3. KENYA ^{cxiv}
RE mix dynamics/	Kenya's technology company, Roam, through its Pilot Programme Roam Move has
Clean Energy Technologies	partnered with other schools to roll out electric shuttle buses equipped with 170kWh
	battery pack and can travek 200km on a single charge. The partnership is to advance
	a move called "committing to providing clean and efficient urban mobility solutions".
	This development advances the level of utilisation of Clean Energy Technologies in
	Kenya and by extension the RE mix dynamics.
	4. SOUTH AFRICA ^{cxv}
RE mix dynamics/	The World Bank recently approved a \$1bn World Bank loan for South Africa to restructure
Clean Energy Technologies	its energy sector. The loan will aid the decommissioning and repurposing of South
	Africa's Komati coal-fired power plant using renewables and batteries.

	This development will advance the RE mix dynamics in South Africa's energy mix.
	5. AFRICA ^{cxvi}
RE mix dynamics/	Several international financial institutions are providing \$103 million to the US company
Clean Energy Technologies	Husk Power. This equity and debt financing will enable electrification via solar mini-grids
	in sub-Saharan Africa and South Asia. The companies include Proparco, the subsidiary
	of the French Development Agency (AFD) group, which is stepping up its investment in
	renewable energy electrification in Africa, as well as the U.S. International Development
	Finance Corporation (DFC) and the French investment company Stoa Infra & Energy,
	owned by Caisse des Dépôts et Consignations (CDC) and AFD.
	This development will advance the RE mix dynamics in Africa, in addition to the level
	of utilisation of Clean Energy Technologies.

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On this week's African Energy Transition Watch are **Nigeria, South Africa, Mauritania, Ivory Coast and Angola, Democratic Republic of Congo (DRC) and Zambia.**

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. NIGERIA ^{cxvii}	
Energy access indicators	The Federal Government of Nigeria through the Federal Ministry of Power announced
	the close of a \$463m Deal with a Chinese consortium to Improve Power Distribution Lines
	in Nigeria. The agreement aims to upgrade the distribution lines infrastructure under Lot
	Three of the PPI, covering the regions served by Jos, Kano, Abuja, and Kaduna
	Distribution Companies. The project will be financed by the China Exim Bank.

	This development has the propensity to increase the energy access rate in Nigeria.
	2. SOUTH AFRICA ^{cxviii}
Existence of international	The Government of South Africa has secured a \$1 billion Development Policy Loan (DPL)
donor involvement in RE	from the World Bank. The funding is aimed at addressing the ongoing energy crisis in
projects	the country and will support the implementation of a long-term strategy for energy
	security and decarbonization. The funding will support the separation of state utility
	Eskom into three subsidiaries – pledged by the Government in 2019 -, with the aim to
	enhance efficiency.
	This development represents the existence of international donor involvement in RE
	project.
	3. MAURITANIA ^{cxix}
RE mix dynamics/	Envolt, a subsidiary of the Mauritian conglomerate ENL, is launching a \$45 million green
Clean Energy Technologies/	bond programme in Mauritius. The aim is to finance the construction of 13 photovoltaic
Level of potential for	solar power plants in this island country off the coast of East Africa. The programme is
attracting investment in	expected to run until 2028. The proceeds of the green bonds will be used to finance the
Clean Energy Technologies	construction and operation of 13 solar photovoltaic parks with a combined capacity of
	14.4 MWp.
	The green bond finance program advances the level of potential for attracting
	investment in Clean Energy Technologies. This in turn will advance the RE mix
	dynamics in Mauritania and the level of adoption of Clean Energy Technologies in
	Mauritania.
4. IVORY COAST ^{exx}	

Energy access indicator	The International Finance Corporation (IFC) and the Emerging Africa Infrastructure Fund (EAIF) are investing more than €91 million in the first securitisation of the Electricity for All Programme (PEPT) in Ivory Coast. This transaction, denominated in local currency, is aimed at electrifying 800,000 households. Implementation of the Electricity for All
	riogramme (FEFT) will accelerate over the next lew years in loory Coast.
	This development advances the rate of energy access in Ivory Coast.
5. ANGOLA, DRC AND ZAMBIA ^{cxxi}	
Level of potential for	Africa Finance Corporation (IFC) in collaboration with the United States government, the
attracting investment in	European Union, African Development Bank and the government of Angola, the DRC and
Clean Energy Technologies	Zambia have come together to develop a Lobito Corridor. The collaboration is underlined by a Memorandum of Understanding (MoU). The rail line will advance regional trade and for the moving key critical minerals.
	This development advances security of supply of critical minerals which in turn advances the level of potential for attracting investment n Clean Energy Technologies.

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On this week's African Energy Transition Watch are South Africa, Mozambique, Rwanda, and Kenya.

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. SOUTH AFRICA ^{cxxii}	
Existence of international	The African Development Bank (AfDB) is providing South Africa with budget support
donor involvement in RE	worth \$300 million. This loan will support a government programme dedicated to
projects	energy transition and climate resilience. The loan Is aimed at restoring energy security,
	promoting private sector participation in the electricity market and improving the
	operational efficiency of state-owned utility Eskom, in line with South Africa's Energy
	Action Plan and the Just Energy Transition Investment Plan 2023-2027.

	This development represents the existence of international donor involvement in RE
	project.
2. MOZAMBIQUE ^{cxxiii}	
RE mix dynamics/	The Emerging Africa Infrastructure Fund has recently allocated \$19 million in debt
Clean Energy Technologies/	funding for the development of the Cuamba substation. This project will help provide
Level of potential for	power to approximately 25,000 Mozambican families. In addition to supporting an
attracting investment in	affordable tariff, the funding will also go towards essential grid upgrades and the
Clean Energy Technologies	implementation of a solar battery energy storage system. These efforts are crucial for
	ensuring sustainable and reliable access to electricity for the local community.
	The fund advances the level of potential for attracting investment in Clean Energy
	Technologies. This in turn will advance the RE mix dynamics in Mozambique and the
	level of adoption of Clean Energy Technologies in Mozambique.
3. RWANDA ^{cxxiv}	
Level of potential for	BasiGo, a Kenyan start-up specialising in the assembly of electric buses, has been
attracting investment in	awarded a grant of 1.5 million dollars by the United States Agency for International
Clean Energy Technologies	Development (USAID). The funding will be used to support pilot testing and scale-up of
	their vehicles in Rwanda, where the company has decided to expand its electromobility
	activities. This American support will accelerate BasiGo's plan to electrify public
	transport in Rwanda, which is facing both the pressures of rising fuel prices and an
	urgent need to diversify its public transport offer. BasiGo believes that their Pay-As-You-
	Drive payment solution, with the support of the Rwandan government, will enable bus
	operators in Kigali to increase the number of electric buses in their fleet rapidly.

	This development advances Clean Energy Technologies' adoption and utilisation in Rwanda which in turn advances the level of potential for attracting investment in Clean Energy Technologies.
	4. KENYA ^{cxxv}
Energy Access Indicators	The Kenyan government has granted approval for the redevelopment of the Gogo hydroelectric dam in western Kenya to the Kenya Electricity Generating Company (KenGen). The dam's capacity will be expanded from its current 2 MW to 8.6 MW, enabling the rehabilitation of existing facilities along the banks of the Kuja River in Migori County. The hydroelectric power plant, which was commissioned in 1958, is currently experiencing frequent breakdowns and difficulties in accessing spare parts due to ageing infrastructure. This development will increase energy access in Kenya.

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On this week's African Energy Transition Watch are Mali, DRC, Gabon and South Africa.

Energy Transition	Energy Transition Development(s) across Africa
Indicator(s)	
1. MALI ^{cxxvi}	
RE mix dynamics/	WeLight, a company focused on providing renewable energy solutions, has been
Clean Energy Technologies/	awarded a grant of 1.8 million dollars by the Foundation for Clean Energy and Energy
Level of potential for	Inclusion in Africa (CEI Africa). The grant will be utilized by WeLight to install solar mini-
attracting investment in	grids, which will help in providing electricity to multiple rural communities in Mali, thus
Clean Energy Technologies	enhancing the quality of life of the people residing in these areas.

	The fund advances the level of potential for attracting investment in Clean Energy	
	Technologies. This in turn will advance the RE mix dynamics in Mali and the level of	
	adoption of Clean Energy Technologies in Mali.	
	2. DEMOCRATIC REPUBLIC OF CONGO (DRC) ^{cxxvii}	
RE mix dynamics/	The Foundation for Clean Energy and Energy Inclusion in Africa, known as CEI Africa, has	
Clean Energy Technologies/	recently revealed its plan to award a grant of over \$3 million to Nuru. This funding will be	
Level of potential for	utilized to electrify three neighborhoods in the eastern region of the Democratic	
attracting investment in	Republic of Congo, specifically in Goma. This initiative is a remarkable step towards	
Clean Energy Technologies	promoting clean energy and energy inclusion in Africa, which will have a significant	
	impact on the lives of people living in those neighbourhoods.	
	The fund advances the level of potential for attracting investment in Clean Energy	
	Technologies. This in turn, will advance the RE mix dynamics in DRC and the level of	
	adoption of Clean Energy Technologies in DRC.	
	3. GABON ^{cxxviii}	
Existence of international	The Kinguélé Aval hydroelectric project in Gabon has received an initial disbursement	
donor involvement in RE	of 81 billion CFA francs (123.4 million euros) from four lenders, including the African	
projects	Development Bank, the Development Bank of Southern Africa, the Emerging Africa	
	Infrastructure Fund, and the International Finance Corporation. Asonha Energie, the	
	company behind the project, expects it to generate 205 GWh of electricity annually,	
	which is equivalent to 13% of Libreville's electricity consumption. The aim is to replace	
	thermal capacity and reduce over 150,000 tonnes of CO2 emissions every year. The	
	project is being executed by Sinohydro, with assistance from French companies Artelia	
	and Électricité de France.	

	This development represents the existence of international donor involvement in RE
	project.
	4. SOUTH AFRICA ^{cxxix}
Level of deployment of clean	Eskom, the state-owned power utility of South Africa, has initiated the Hex Battery Energy
energy technologies	Storage System (BESS) project, which is the largest of its kind in Africa. The project is located in Worcester in the Western Cape province and is aimed at storing up to 100MWh of energy. The Hex BESS project, constructed by Hyosung, a South Korean industrial company, consists of large-scale batteries with a total capacity of 1,440MWh per day along with 60MW of solar. This development will increase energy access and deployment of clean technology
	in South Africa.

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On this week's African Energy Transition Watch are Mauritania, Zambia, Kenya and South Africa.

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. MAURITANIA ^{cxxx}	
Existence of international	Multilateral development finance institution, the African Development Bank (AfDB), has
donor involvement in RE	approved a €14M million grant towards the RIMDIR Mini-Grid Electrification Project in
projects	Mauritania – a French Development Agency and World Bank joint program aimed at advancing rural electrification.

	This development advances the existence of International Donor Involvement and
	energy access in Mauritania.
	2. ZAMBIA ^{cxxxi}
RE mix dynamics/	Oikocredit is taking steps to enhance access to electricity in Africa. Recently, the Dutch
Clean Energy Technologies/	financial institution has allocated a \$2 million credit line to RDG Collective in Zambia.
Level of potential for	The company, which is headquartered in Lusaka, offers solar photovoltaic systems for
attracting investment in	rural households, as well as for the productive employment of electricity.
Clean Energy Technologies	With Oikocredit's backing, RDG expects to provide electricity for a minimum of 12,500
	low-income Zambians.
	This development advances the level of energy access to energy, RE mix dynamics,
	level of Clean Energy Technologies utilisation and grid integration of renewable
	energy sources in Zambia.
	3. KENYA ^{cxxxii}
RE mix dynamics/	Kenya Electricity Generating Company PLC (KenGen) is currently working on a cutting-
Clean Energy Technologies/	edge project involving a floating solar photovoltaic (FPV) system, which will have a
Level of potential for	capacity of roughly 40MWp. This initiative is being funded by the German bilateral
attracting investment in	Financial Cooperation funds, with the overarching goal of conducting a thorough
Clean Energy Technologies	feasibility study that can be used as a foundation for project financing and ultimately,
existence of international	for initiating Power Purchase Agreement (PPA) negotiations.
donor involvement in RE	
projects	This development advances the level of energy access to energy, RE mix dynamics,
	level of Clean Energy Technologies utilisation and grid integration of renewable
	energy sources in Kenya.

Level of deployment of clean	A new utility scale solar PV plant has commenced construction in Limpopo Province,
energy technologies	South Africa. This R1.56 billion solar investment projects is set to generate a capacity of
	68MW, producing 176 GWh of clean energy annually.
	This development will increase energy access and deployment of clean technology in South Africa.

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Energy Transition Development(s) across Africa **Energy Transition** Indicator(s) 1. SOMALIA^{cxxxiv} **RE mix dynamics**/ The state of Puntland in Somalia recently inaugurated a solar energy project with a Clean Energy Technologies/ production capacity of 3.5MW, aimed at meeting the growing electricity demands of of potential Bosaso, its commercial capital. The project is set to provide clean and sustainable Level for attracting investment in energy to the region, reducing its dependence on non-renewable energy sources and **Clean Energy Technologies** contributing to the country's efforts towards achieving its renewable energy targets.

On this week's African Energy Transition Watch are **Somalia**, Niger, Kenya and Sierra Leone.

	This development advances the level of energy access to energy, RE mix dynamics,
	level of Clean Energy Technologies utilisation and grid integration of renewable
	energy sources in Somalia.
	2. NIGER ^{cxxxv}
RE mix dynamics/	Following a political coup in Niger that resulted in the interruption of its electricity supply,
Clean Energy Technologies/	Niger has taken a major step towards energy independence by commissioning a 30MW
Level of potential for	solar photovoltaic plant. The new plant, which is equipped with more than 55,000 solar
attracting investment in	panels, represents the largest solar energy infrastructure ever built in Niger. This
Clean Energy Technologies	initiative underscores the nation's commitment to reducing its dependence on fossil
	fuels and transitioning to renewable energy sources, which are more sustainable and
	environmentally friendly. With this new solar plant, Niger is poised to increase its energy
	capacity and meet the growing demand for electricity in a reliable and sustainable
	manner.
	This development advances the level of energy access to energy, RE mix dynamics,
	level of Clean Energy Technologies utilisation and grid integration of renewable
	energy sources in Niger.
	3. KENYA ^{cxxxvi}
Existence of international	The Kenya Electricity Generating Company (KenGen) has been selected by the World
donor involvement in RE	Bank to lead a battery storage pilot project aimed at increasing electricity access in the
projects.	country. This initiative, known as the "Kenya Green and Resilient Expansion of Energy"
	(GREEN) program, aligns with the World Bank's objective to improve electricity access in
	Kenya in a financially and environmentally sustainable manner. KenGen recently

	announced that it will be executing the pilot project, which is a significant step towards
	achieving this goal.
	This development advances the existence of International Donor Involvement and
	energy access in Kenya.
4. SIERRA LEONE ^{cxxxvii}	
RE mix dynamics/	Octopus Energy, a leading British energy company, has announced plans to build its
Clean Energy Technologies/	first wind farm in Sierra Leone in collaboration with Sherbro Alliance Partners (SAP). This
Level of potential for	exciting partnership marks Octopus Energy's first foray into renewable energy in Africa,
attracting investment in	and is expected to accelerate Sierra Leone's renewable energy potential while
Clean Energy Technologies	gathering essential data to catalyze further investment in green energy. The wind farm
	is set to be completed in 2024, and represents a significant step towards a cleaner, more
	sustainable future for both Sierra Leone and the wider global community.
	This development advances the level of energy access to energy, RE mix dynamics,
	level of Clean Energy Technologies utilisation and grid integration of renewable
	energy sources in Sierra Leone.

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Energy Transition	Energy Transition Development(s) across Africa
Indicator(s)	
1. ANGOLA ^{cxxxviii}	
RE mix dynamics/	A memorandum of understanding was signed between Masdar, a UAE-based
Clean Energy Technologies/	renewable energy company, and Angola's Ministry of Energy and Water during the
Level of potential for	COP28 in Dubai. As per the agreement, Masdar will develop a ground-mounted solar
attracting investment in	plant in the Quipungo region, Hulia province, southern Angola. The project aims to
Clean Energy Technologies	deliver electricity to at least 90,000 households and create up to 600 employment
	opportunities. This initiative marks a significant milestone in Angola's efforts to enhance
	its energy sector and promote sustainable development.

On this week's African Energy Transition Watch are **Angola, Sierra Leone, Togo and Nigeria.**

	This development advances the level of energy access to energy, RE mix dynamics, level of Clean Energy Technologies utilisation and grid integration of renewable energy sources in Angola.
	2. SIERRA LEONE ^{cxxxix}
Existence of international donor involvement in RE projects.	Three Development Finance Institutions, along with a renewable fund manager, have recently announced a joint investment of over \$52 million towards the development of planet solar. This greenfield 50 MW solar power project will be the first large-scale grid-connected solar Independent Power Producer (IPP) project in Sierra Leone. The project's primary objective is to drive a diversified approach to address the challenge of energy access in West Africa. The anticipated 50 MW solar capacity is expected to help avoid 53,000 tonnes of annual CO2 emissions, thus contributing to a sustainable and eco-friendly future.
	This development advances the existence of International Donor Involvement and
	energy access in Sierra Leone.
RE mix dynamics/ Clean Energy Technologies/ Level of potential for attracting investment in Clean Energy Technologies	A global infrastructure investor has recently entered into a 25-year concession agreement with the government of Togo, along with a French multinational electric utility company. Under this agreement, the investor will undertake the design, construction, financing, and operation of a 64MWp solar PV power plant. The plant is expected to provide renewable energy to more than 700,000 people in the region who currently have limited access to electricity.

	This development advances the level of energy access to energy, RE mix dynamics, level of Clean Energy Technologies utilisation and grid integration of renewable energy sources in Togo
	4. NIGERIA ^{cxli}
RE mix dynamics/	A new solar panel manufacturing facility is set to be established in Nigeria, with the aim
Clean Energy Technologies/	of contributing to the country's industrialization efforts. This solar PV manufacturing
Level of potential for	plant is expected to be one of the world's first large-scale production facilities for
attracting investment in	lightweight solar panels with an ultra-low carbon footprint.
Clean Energy Technologies	
	The project is a collaboration between the Infrastructure Corporation of Nigeria (InfraCorp), a \$15 billion government backed, privately managed infrastructure development, the African Green Infrastructure Investment Bank (AfGIB) and Solarge International BV, a European manufacturer of lightweight solar panels.
	This development advances the level of energy access to energy, RE mix dynamics, level of Clean Energy Technologies utilisation and grid integration of renewable energy sources in Nigeria.
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Energy Transition	Energy Transition Development(s) across Africa
Indicator(s)	
1. SOUTH AFRICA ^{cxlii}	
Level of deployment of clean	Scatec, the Norwegian independent power producer, has commenced operations of
energy technologies	three Kenhardt solar photovoltaic power stations in the Northern Cape province. The
	collaborative effort with H1 Holdings comes at a crucial time when South Africa is
	experiencing power cuts. The plants are equipped with one million solar panels with a
	combined capacity of 540 MW and a storage capacity of 225 MW/1,140 MWh. This is
	made possible through 456 battery units.

On this week's African Energy Transition Watch are South Africa, Mozambique, Ethiopia and Zambia.

	This development will increase energy access and advance the deployment of clean
	technologies in South Africa.
	2. MOZAMBIQUE ^{cxliii}
Existence of international	Mozambique's publicly owned electricity company, EDM, has recently signed four
donor involvement in RE	agreements with Africa50 to build and operate new solar power stations in the northern
projects	provinces of Cabo Delgado and Nampula. According to a recent document, Africa50
	will collaborate with EDM in the development, financing, construction, and operation of
	the onshore solar power plants at Montepuez, in Cabo Delgado, and Angoche, in
	Nampula, with an installed capacity of 100 MegaWatts (MW) and 60 MW, respectively,
	including the energy storage component. These agreements also cover the
	development of the first 100 MW floating solar power plant in the Chicamba
	Hydroelectric Power Plant reservoir.
	This development showcases the existence of international donor involvement for
	increased energy access in Mozambique.
	3. ETHIOPIA ^{cxliv}
RE mix dynamics/	AMEA Power LLC, a Dubai-based renewable energy developer and operator, has
Clean Energy Technologies/	announced its plans to construct a 300-MW onshore wind farm in Ethiopia. This marks
Level of potential for	the company's first independent power producer (IPP) project in the country. In a
attracting investment in	statement released recently, the Ethiopian ministry has described the project, valued at
Clean Energy Technologies	USD-600-million (EUR 551.7m), as "poised to become the largest wind energy project in
	the Horn of Africa." Spanning across 18,000 hectares, the Aysha Wind Power Project will

	This development advances energy access and showcases the RE mix dynamics for increased energy access in Ethiopia. 4. ZAMBIA ^{cxlv}
RE mix dynamics/ Clean Energy Technologies/ Level of potential for attracting investment in Clean Energy Technologies	Africa Greenco Group, a renewable energy retailer, has made a commitment to purchase the output of a 25-MW solar project in Zambia. The agreement was finalized during the ongoing COP28 climate summit in Dubai. The solar project will be installed in the Sesheke district of Zambia's Western Province and will be operated by Zambia's national power utility, ZESCO. Construction is scheduled to commence next year, and commercial operations are set to begin in 2025. This project represents a direct foreign investment of US 37 million (EUR 34.3m). This development advances energy access and the level of clean energy technologies utilisation of renewable energy sources in Zambia.

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3. South Africa 4. Namibia

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On this week's African Energy Transition Watch are Mozambique, Nigeria, South Africa and Namibia.

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. MOZAMBIQUE ^{cxIvi}	
Renewable Energy (RE) mix	Exciting developments are underway for the Mphanda Nkuwa hydroelectric project in
dynamics	Mozambique. Recently, the consortium responsible for its development - comprised of
	TotalEnergies, Électricité de France (EDF), and Sumitomo Corporation - signed two key
	agreements with the Mozambican authorities. These agreements, made with the
	Ministry of Energy and Natural Resources (MIREME) and state-owned Electricidade de

	Moçambique (EDM), pave the way for the future concession contract for the project. This
	mega hydroelectric scheme is set to require a substantial investment of \$5 billion.
	This development will increase energy access and advance the deployment of
	renewable energy in Mozambique.
	2. NIGERIA ^{cxIvii}
Existence of international	The World Bank has recently allocated \$750 million towards clean energy projects in
donor involvement in RE	Nigeria, with the objective of expanding access to electricity to over 17.5 million Nigerians
projects	who are currently facing power shortages. This initiative is aimed at addressing the
	electricity crisis in Africa's most populous nation, where over 85 million individuals rely
	on expensive generators due to lack of access to power.
	This development showcases the existence of international donor involvement for
	increased energy access in Nigeria.
	3. SOUTH AFRICA ^{cxIviii}
Level of deployment of clean	Abengoo, a Spanish multinational, has constructed the KaXu Solar One power plant,
energy technologies,	which spans an impressive 1,100 hectares (2,718 acres). The project is noteworthy as it is
	South Africa's inaugural concentrated solar power (CSP) initiative to utilize parabolic
	trough technology. Parabolic troughs make use of mirrors to concentrate solar energy
	onto a receiving tube that contains heat-absorbing fluid. This fluid then transforms the
	energy into steam, which powers a conventional steam turbine.

	This development advances energy access and showcases the level of deployment of clean technology in South Africa
	4. NAMIBIA ^{cxlix}
RE mix dynamics/	Namibia Power Corporation (NamPower) has recently entered into a contract with two
Clean Energy Technologies/	esteemed Chinese companies, Shandong Electrical, Engineering & Equipment Group
Level of potential for	and Zhejiang Narada Power Source. The agreement entails the construction of a state-
attracting investment in	of-the-art battery-based electricity storage system at the Omburu substation in
Clean Energy Technologies	Namibia. This project demonstrates NamPower's commitment to providing reliable and sustainable energy solutions to its customers, while also promoting the growth of renewable energy sources in the region.
	This development advances energy access and the level of clean energy
	technologies utilisation of renewable energy sources in Namibia.

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On this week's African Energy Transition Watch are Kenya, Egypt, Burkina Faso and South Africa.

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. KENYA ^{cl}	
Renewable Energy (RE) mix	The Menengai first geothermal power plant is being developed by the British company
dynamics	Globeleq which has recently completed the financing of the project. Globeleq will
	operate and maintain the plant once it is commissioned in 2025, plans to purchase
	steam from the Kenyan state-owned Geothermal Development Company (GDC), which
	has already drilled several production wells on the Menengai site.

	This development will increase energy access and advance the deployment of renewable energy in Kenya.
	2. EGYPT ^{cli}
Level of deployment of clean	Advancing green hydrogen development in North Africa, ACWA Power has signed a
energy technologies,	framework agreement with Egypt's energy authorities for the development of a four-
	billion-dollar green hydrogen project. Egypt is seeking to capture 5-8% of the global
	hydrogen market, according to its national strategy. The country's green hydrogen
	supplies would be used for export to Europe and to decarbonize energy-intensive
	maritime activities along the Suez Canal.
	This development showcases the existence of international donor involvement for
	increased energy access in Nigeria.
	3. BURKINA FASO ^{clii}
Level of deployment of clean	Three different solar farms have been commissioned in Burkina Faso with the national
energy technologies,	electricity utility SONABEL as the sole offtaker. The solar plants include the Kodeni Solar
	PV solar power plant, Pa solar PV power plant and the Zano solar PV plant. The first tow
	plants are expected to produce 73GWh and 54.14GWh annually respectively which will
	raise SONABEL's solar production to 153MW.
	This development advances energy access and showcases the level of deployment
	of clean technology in Burkina Faso
	4. SOUTH AFRICAciiii

RE mix dynamics/	The African Energy Chamber (AEC) has successfully launched the first phase of an
Clean Energy Technologies/	initiative to equip schools across Africa with solar energy through the donation of an
	off-grid solar power system to Willow Crescent Secondary School in Johannesburg,
	South Africa.
	The donated system, benefitting 1,700 students and staff, will reduce the school's
	reliance on diesel-fired generators, thereby ensuring an uninterrupted learning
	environment for students during periods of load shedding.
	This development advances energy access and the level of clean energy
	technologies utilisation of renewable energy sources in Africa.

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On this week's African Energy Transition Watch are Egypt, Senegal, Nigeria and Africa in general.

Energy Transition	Energy Transition Development(s) across Africa
Indicator(s)	
Renewable Energy (RE) mix	Saudi Arabian independent power producer (IPP) Acwa Power and its partner Hassan
dynamics/ Level of	Allam Utilities have signed a 25-year usufruct agreement for the Jabal el Zeit wind
deployment of clean energy	megaproject. The facility will have a capacity of 1,100 MW, making it one of the largest
technologies,	clean energy plants on the African continent. The wind farm will reduce carbon dioxide
	(CO ₂) emissions by 2.4 million tonnes a year and supply electricity to just over a million
	Egyptian homes

	This development will increase energy access and advance the deployment of renewable energy in Egypt.
	2. SENEGAL ^{civ}
Level of deployment of clean energy technologies,	The solar-powered Bus Rapid Transit (BRT) network is now operational in Senegal, three years after the project was launched. The Dakar BRT, developed by the French industrial group Meridiam (concession holder for the network), is an alternative to diesel and is expected to reduce emissions by 59,000 tonnes of CO ₂ equivalent per year.
	This development showcases the level of deployment of clean technology and e- mobility in Senegal. 3. NIGERIA ^{civi}
Level of deployment of clean energy technologies/ RE mix dynamics	The Nigeria government has commissioned a 300KWp solar PV pilot project that includes a Battery Energy Storage System (BESS) in Niger State as part of the country's renewable energy plan. The project will provide reliable and adequate electricity to businesses and households; increase power generation capacity and lower electricity costs.
	This development advances energy access and showcases the level of deployment of clean technology in Burkina Faso

	The International Finance Corporation (IFC) commits \$80 million to boost the Facility for
Existence of international	Energy Inclusion (FEI) for African renewable energy in commercial and industrial
donor involvement in RE	sectors. As the World Bank Group's private sector financing arm, the IFC provides a \$30
projects	million loan, a \$20 million Co-Financing portfolio Management Programme (CPMP) loan
	leveraging \$30 million of blended finance. This funding aims to increase production
	capacity by about 115 MW across fifteen African countries, including the Democratic
	Republic of Congo, Ghana, and Kenya.
	This development showcases the existence of international donor involvement in
	renewable energy in Africa.

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Energy Transition	Energy Transition Development(s) across Africa
Indicator(s)	
Renewable Energy (RE) mix	Owendo Mineral Port (OMP) is committed to a low-emission economy. A 1.56 MWp solar
dynamics/ Level of	system will soon be installed on the port's premises, located 21 kilometers from Gabon's
deployment of clean energy	capital, Libreville. The project is financed by British International Investment (BII), a British
technologies/ Existence of	financial institution.
international donor	This development will increase energy access, advance the deployment of
involvement.	renewable energy technology and showcases the existence of international donor
	involvement in RE projects in Gabon.

On this week's African Energy Transition Watch are Gabon, Ghana, Mozambique and Africa in general.

	2. GHANA ^{clix}
Level of deployment of clean	Kumasi's largest rooftop solar power plant goes into operation. With a capacity of 4.3
energy technologies,	MW, the facility supplies clean electricity to metallurgist Rider Steel. Connected to
	Ghana's national electricity grid, the facility boasts a capacity of 4.3 MWp, making it one
	of the largest industrial-scale plants of its kind inaugurated in West Africa. It's a
	convincing example of how solar energy can power heavy industry and integrate
	seamlessly into the grid
	This development showcases the level of deployment of clean technology and RE
	energy mix in Ghana.
	3. MOZAMBIQUE ^{cix}
Level of deployment of clean	A solar PV plant is to be built in Mozambique and is aimed at providing electricity to over
energy technologies/ RE mix	150,000 and create more than 1500 jobs during the construction phase. Once completed
dynamics	and in operation is expected to reduce Mozambique's carbon dioxide emissions by
	around 232,900 tons per year. AMEA Power will work with Mozambique's Hidropower to
	develop the solar PV power plant.
	This development advances energy access and showcases the level of deployment
	of clean technology in Mozambique
	or cicult contrology in Mozambique.
4. AFRICA ^{clxi}	
	The solar energy market in Africa grew in 2023. The continent recorded new installed
	capacity of 3.7 GW. Africa's installed solar capacity now stands at 16 GW. In 2023, African

Existence of international	countries were able to deploy 3,745 MWp of photovoltaic solar power. Africa has made
donor involvement in RE	significant progress compared to 2022, with an increase of 19%.
projects	
	This development showcases the existence of RE mix dynamics and deployment of
	clean technology in Africa.

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On this week's African Energy Transition Watch are Ivory Coast, Namibia, Sao Tome & Principe and Africa in general.

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. IVORY COAST ^{clxii}	
Renewable Energy (RE) mix	Abidjan-based PFO Africa is entering into a new concession agreement with the Ivorian
dynamics/ Level of	government. The deal enables the construction of a 52 MW photovoltaic solar power
deployment of clean energy	plant in Sokhoro, Ferkessédougou division, starting in the second quarter of 2024 and
technologies	expected to be operational by the end of 2025. The project highlights job creation–150

	during construction and 15 permanent positions. Over 25 years, the plant will contribute
	to Côte d'Ivoire's grid.
	This development will increase energy access, and advances the deployment of
	renewable energy technology in Ivory Coast.
	2. NAMIBIA ^{clxiii}
Level of deployment of clean	A \$10.6 million solar plant is being constructed on Maxwell Farm in North Central
energy technologies/RE mix	Namibia. It will generate approximately 26, 360MWh of clean energy per year. The power
dynamics.	plant is set to be operational by the end of 2024 and the energy will be injected into
	NamPower's brand new Eldorado substation.
	This development showcases the level of deployment of clean technology and RE
	energy mix in Namibia.
	3. SAO TOME AND PRINCIPE ^{clxiv}
Legal provisions for	Sao Tome and Principe has entered into a new Country Partnership Framework with the
combating climate change	World Bank, focusing on energy, road transport and sustainable development. An
	integral part of the framework will be to increase resilience to climate change and
	weather-related events in the country.
	This development showcases legal provisions for combating climate change in Sao
	Tome & Principe.
	4. AFRICA ^{cixv}

	The UK guarantees two African Development Bank (AfDB) loans of \$239 million for
Existence of international	Mauritius and Benin. As part of a climate financing program, this support will enable the
donor involvement in RE	construction of energy and sanitation infrastructure in the two cpountries. This will
projects	particularly enable Mauritius to pursue its energy transition trajectory, enabling the integration of renewable energies and the achievement of the target of 60% renewable energies in the electricity generation mix by 2030.
	This development showcases the existence of international donor involvement in RE projects in Africa.

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Energy Transition
Indicator(s)Energy Transition Development(s) across AfricaIndicator(s)I. SOUTH AFRICA^{cixvi}Renewable Energy (RE) mix
dynamics/ Level of
deployment of clean energy
technologiesSoSimple Energy is working with the luxury tented lodge in South Africa to develop a
clean energy project comprising of a solar PV and a battery energy storage system.
Once constructed, the system will offer 114kWp ground-mount solar system
complemented by a 456kWh high voltage BESS solution. The solution will reduce carbon
footprint and electricity costs as well as mitigate the impact of load shedding.

On this week's African Energy Transition Watch are South Africa, Mauritius, Zimbabwe and Africa in general.

	This development will increase energy access, and advances the deployment of
	renewable energy technology in South Africa.
	2. MAURITIUS ^{cixvii}
Level of deployment of clean	The Central Electricity Board (CEB) has made strides in scaling up the deployment of
energy technologies	solar photovoltaic systems under the Home Solar project Scheme. With a targeted total
	capacity of 10MW upon completion, the project will save 15,000 tonnes of carbon dioxide
	and \$400,000 annually while reducing the country's reliance on diesel.
	This development showcases the level of deployment of clean technoloay in
	Mauritius.
	3. ZIMABAWE ^{clxviii}
Level of deployment of clean	The construction of a 5MW mini hydropower plant at Lake Mutirikwi in Masvingo,
energy technologies/RE mix	Zimbabwe is to be completed at the end of April 2024. The project is one of the many
dynamics.	flagship ventures that has pivoted Masvingo towards self-sustainability in clean energy
	while providing work for more than 150 unskilled workers from surrounding communities.
	This development showcases the level of deployment of clean technology and PE mix
	dynamics in Zimbabwe
	4. AFRICA ^{clxix}
	Several renewable energy projects in Africa have benefitted from the \$1.7 billion
Existence of international	financing from the Organization of Petroleum Exporting Countries (OPEC) Fund for
donor involvement in RE	International Development which includes a \$25 million solar plant in Niger. The OPEC
projects	Fund's investments in the energy sector also included projects dedicated to enhancing

energy security in Tanzania also, aligning with the objectives of Sustainable
Development Goal 7, ensuring clean and affordable energy access.
This development showcases the existence of international donor involvement in PE
mis development showcases the existence of international donor involvement in Re
projects in Africa.

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On this week's African Energy Transition Watch are **Sierra Leone, South Africa, Democratic Republic of Congo (DRC)** and Africa in general.

Energy Transition	Energy Transition Development(s) across Africa
Indicator(s)	
1. SIERRA LEONE	
Renewable Energy (RE) mix	Sierra Leone's mining industry is committed to decarbonization, CrossBoundary Energy
dynamics/ Level of	(CBE) has signed a 20-year power purchase agreement (PPA) with mining company FG
deployment of clean energy	Gold, based in the capital Freetown, to supply clean energy to the future Baomahun
technologies	gold mine. As part of this partnership, CBE will build a hybrid power plant to power gold
	extraction. The facility will comprise a 23.8 MWp solar photovoltaic park and a 13.8 MWh
	electricity storage system. According to the Freetown-based mining company, the

	facilities financed and built by CBE will avoid emissions of 380,000 tonnes of
	CO ₂ equivalent over 20 years. Logical, since the solar power plant is expected to cover
	90% of the mine's electricity demand during sunny hours. The 23.8 MW facility will also
	be the largest solar power plant in Sierra Leone.
	This development will increase energy access, renewable energy mix and advances
	the deployment of renewable energy technology in Sierra Leone.
	2. SOUTH AFRICA ^{clxxi}
RE Mix Dynamics/Level of	Boston Hydro, a 5MW run off river power plant located on the Ash River started
deployment of clean energy	construction late 2023 and is scheduled to begin commercial operation in July 2025.
technologies	Boston Hydro will result in reduction of some 600,000 tons of CO2 emissions over a 20-
	year period and will also provide about 100 jobs with the bulk of these jobs being local.
	This development showcases an increase in renewable energy mix dynamics and the
	level of deployment of clean technology in South Africa.
	3. DEMOCRATIC REPUBIC OF CONGO ^{cixxii}
Level of deployment of clean	In the Democratic Republic of Congo (DRC), an engineering, procurement and
energy technologies/RE mix	construction solar company has completed and commissioned a 120kWh hybrid solar
dynamics.	mini grid project. The system involves a distribution line for 350 users and has a ground
	mounted battery energy storage capacity of 225kWh.
	This development showcases the level of deployment of clean technology and RE mix
	dynamics in DRC.
	4. AFRICA ^{clxxiii}

	As part of a regional program, the World Bank is providing a \$300 million credit facility
Existence of international	to the Trade and Development Bank (TDB). This initiative finances access to renewable
donor involvement in RE	energies, including clean cooking, in Eastern and Southern Africa. The \$300 million in
projects	financing provided by the World Bank Group subsidiary is expected to provide access
	to electricity for at least 5 million people, access to clean cooking for 1 million people,
	and add up to 35 MW in energy capacity within the states.
	This development showcases the existence of international donor involvement in RE
	projects in Africa.

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Energy Transition	Energy Transition Development(s) across Africa
Indicator(s)	
Renewable Energy (RE) mix	A first of its kind solar micro grid project is set to be completed in one of South Afrca's
dynamics/ Level of	oldest township. The IMVA solar grid will provide electricity to about 500 househlds in
deployment of clean energy	Alexandra in the north of Johannesburg. Close to 80 people from the area were hired to
technologies	work on the project and about 12 SMEs were also involved in the development of the
	project.
	This development will increase energy access, renewable energy mix and advances
	the deployment of renewable energy technology in South Africa.

On this week's African Energy Transition Watch are South Africa, Kenya, Nigeria and Africa in general.
2. KENYA ^{cixxv}	
RE Mix Dynamics/Level of	The Lake Turkana Wind Farm is a flagship project currently in operation, and equipped
deployment of clean energy	with 365 wind turbines supplied and installed by Danish giant Vestas. The 310 MW facility
technologies	supplies 14% of Kenya's electricity through the state-owned Kenya Power grid. This
	makes it the largest operational wind farm on the African continent. According to IFU,
	the construction of the wind farm involved building 200 km of road and a 400 km
	transmission line linking the plant to the national grid.
	This development showcases an increase in renewable energy mix dynamics and the
	level of deployment of clean technology in Kenya.
	3. NIGERIA ^{clxxvi}
Level of deployment of clean	A Nigerian automaker specialised in solar powered tricycles has partnered with a US not
energy technologies.	for profit organisation for the manufacturing of an environmentally friendly battery for
	a solar/plugin electric three wheel and four-wheel transportation vehicle. This signifies
	a development for Nigeria especially for grid back up for the rapid growth of solar and
	wind farms.
	This development showcases the level of deployment of clean technology Nigeria.
	4. AFRICA ^{clxxvii}
Level of deployment of clean	Through its Clean Technology Fund (CTF), the AfDB has injected \$15 million into the
energy technologies.	capital of the Mauritius-based Trade and Development Bank of Eastern and Southern
	Africa (TDB). The aim is to stimulate investment in clean technologies on the continent,
	in particular for the large-scale development of low-carbon solutions that offer
	significant potential for reducing greenhouse gas emissions over the long term

This development showcases the level of deployment of clean technology in Africa.

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AFRICA ENERGY TRANSITION WATCH

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On this week's African Energy Transition Watch are Egypt, Tanzania, South Africa and Lesotho.

Energy Transition	Energy Transition Development(s) across Africa	
Indicator(s)		
	1. EGYPT ^{clxxviii}	
Renewable Energy (RE) mix	A 1GW solar energy plant will be built to provide electricity to one of Egypt's oldest	
dynamics/ Level of	aluminium-producing factory. The plant has the capacity to generate renewable	
deployment of clean energy	energy for the factory in the framework of the comprehensive and integrated	
technologies	development project.	
	This development will increase energy access, renewable energy mix and advances	
	the deployment of renewable energy technology in Egypt.	
	2. TANZANIA ^{clxxix}	
RE Mix Dynamics/Level of	Julius Nyerere Hydropower Project in Tanzania has been officially launched with an	
deployment of clean energy	initial supply of 235MW injected into the national grid. The project will reduce power cuts	
technologies	in the country by 85% and be an energy boon to East Africa.	
	This development showcases an increase in renewable energy mix dynamics and the	
	level of deployment of clean technology in Tanzania.	
	3. SOUTH AFRICA ^{cixxx}	
Level of deployment of clean	Six independent power producers will develop a solar PV power station in Gauteng	
energy technologies./ RE	which is expected to generate 800 MW to be supplied to the electricity grid. The solar	
Mix Dynamics	farm will spread across 1500 ha of land made available by SibanyeStillwater	

	This development showcases RE mix dynamics and the level of deployment of clean technology South Africa.
	4. LESOTHO ^{clxxxi}
Level of deployment of clean	
energy technologies/ RE Mix	Independent Power Producer (IPP) Astra Energy has entered into a partnership with the
Dynamics	Lesotho National Development Corporation (LNDC) to develop 100 MW of renewable energies under a public-private partnership (PPP). The project will improve the reliability of the electricity supply, which is essential for a growing economy. Successful completion of the project will also create direct and indirect employment, and have a positive impact on other sectors of the economy that depend heavily on a regular, cost- effective supply of electricity
	This development showcases the level of deployment of clean technologies and RE mix dynamics in Lesotho.

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On this week's African Energy Transition Watch are Sierra Leone, South Africa, Namibia and Togo.

Energy Transition	Energy Transition Development(s) across Africa
Indicator(s)	
1. SIERRA LEONE ^{clxxxii}	
Renewable Energy (RE) mix	5 healthcare facilities in the health management teams of Sierra Leone have been
dynamics/ Level of	equipped with 15kVa solar systems. They were installed in February 2024 with the aim
deployment of clean energy	of reducing carbon emissions and provide secure power a stable power supply for
technologies	health care facilities in the eastern and northern provinces. Each system has a roof
	mounted 16.62 KWp of solar PV. The system also has a monitoring software that will
	notify the beneficiaries if there are any problems with the system.

	This development will increase energy access, renewable energy mix and advances
	the deployment of renewable energy technology in Sierra Leone.
	2. SOUTH AFRICA ^{clxxxiii}
RE Mix Dynamics/Level of	Three wind and solar projects in South Africa are underway to provide energy to many
deployment of clean energy	AngloAmerican mines in the country. This includes the Umsobomvu Wind Project
technologies	(140MW), Hertbeesthoek Wind Project (140MW) and the Mooi Plaats Solar Project
	(240MW). All projects are to reach commercial operations during 2026
	This development showcases an increase in renewable energy mix dynamics and the
	level of deployment of clean technology in South Africa.
	3. NAMIBIA ^{clxxxiv}
Existence of international	The US Agency for International Development (USAID) has announced a \$1-million grant
donor involvement in RE	to Namibia Hydrogen Fund Managers. This grant aims to support the sustainable
projects.	development of the country's green hydrogen industry. The funds will be allocated to
	the SDG Namibia One fund, the designated funding partner to the Namibian
	government's green hydrogen initiatives.
	This development showcases the existence of international donor involvement in RE
	projects in Namibia.
	4. TOGO ^{cixxx}
	The French company Sunna Design has installed 30,000 solar streetlights in rural areas,
Level of deployment of clean	mainly in the Savanes and Kara regions. The work was carried out as part of the PEP'S
energy technologies.	rural project (Solar Public Lighting Programme) implemented by the Togolese Agency

for Rural Electrification and Renewable Energies (AT2ER). The new solar streetlights play a major role in the day-to-day activities of the Togolese people, facilitating transport, work and learning at night, or simply the freedom to move around at night in safety.
This development showcases the level of deployment of clean energy technologies in Togo.

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On this week's African Energy Transition Watch are Uganda, Gambia, Malawi and Mauritius.

Energy Transition	Energy Transition Development(s) across Africa	
Indicator(s)		
	1. UGANDA ^{clxxxvi}	
Renewable Energy (RE) mix	Xsabo Group's state-of-the-art Nkonge Solar Plant will add 20 megawatts (MW) to	
dynamics/ Level of	Uganda's national grid, marking a significant leap in the country's renewable energy	
deployment of clean energy	capacity. The project, valued at Shs 82.6 billion, is located in Kabulasoke at the Nkonge	
technologies	station. The solar plant represents a key development in Uganda's clean energy	
	landscape. This brings the total grid-connected solar capacity to 80.6 MW.	

	The addition contributes to the nation's goal of achieving a sustainable and diversified
	energy mix
	This development will increase operav access, renewable operav mix and advances
	the deployment of renewable energy technology in liggedg
	the deployment of renewable energy technology in oganad.
	2. GAMBIA ^{CIXXXVII}
RE Mix Dynamics/Level of	Through the Ministry of Petroleum and Energy and National Water and Electricity
deployment of clean energy	Company (NAWEC) , the government of The Gambia has inaugurated a 23MW solar PV
technologies	Plant in Jambur. The system also incorporates a 8MWh battery energy storage system
_	and will provide both on-grid and off grid operations to local schools and health
	centres.
	This development showcases an increase in renewable energy mix dynamics and the
	In the velopment of clean technology in Cambia
	level of deployment of clean technology in Gambia.
	3. MALAWI ^{cixxxviii}
Level of deployment of clean	Three project sites have been built in Malawi. featuring 10 greenhouses built among
energy technologies.	newly plated maize fields. The projects also deployed innovative solar-powered
	facilities at the three sites in Lilongwe , Salima and Mzimba. The project addressed
	climate change, and gender-based inequalities via the introduction of solar powered
	facilities
	This development will increase deployment of renewable energy technology in
	inis development will increase deployment of renewable energy technology in
	Malawi.

	4. MAURITIUS ^{clxxxix}
	The Arsenal solar power plant was recently inaugurated in Mauritius. The 14 MWp plant
Level of deployment of clean	was developed by the French company GreenYellow. The energy infrastructure will add
energy technologies.	14 MWp of clean energy to Mauritius' installed capacity. According to GreenYellow, the
	plant is capable of supplying 20 GWh of electricity a year, enough to power 4,500 Mauritian homes. the Arsenal solar power plant represents another step towards achieving Mauritius' national targets of 35% of electricity from renewable sources by 2025 and 60% by 2030.
	This development showcases the level of deployment of clean energy technologies and RE energy mix in Mauritius.

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On this week's African Energy Transition Watch are Eritrea, Algeria, Chad and Nigeria.

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. ERITREA ^{cxc}	
Renewable Energy (RE) mix	A project developer from China has been selected to construct the first Solar PV energy
dynamics/ Level of	storage plant in Eritrea. The project will be made up of a 30ME solar PV power station
deployment of clean energy	and a 15MW/30MWh energy storage system.
technologies	It is expected to contribute to the increasing generating capacity by 185MW and grid
	energy to 365GW a year.

	This development will increase energy access, renewable energy mix and advances
	the deployment of renewable energy technology in Eritrea.
	2. ALGERIA ^{cxci}
RE Mix Dynamics/Level of	Algeria's National Electricity and Gas company (Sonelgaz), through its subsidiary
deployment of clean energy	Sonelgaz-EnR, has just signed concession agreements with several local and
technologies	transnational companies for the financing, construction and operation of 3,000 MW of
	photovoltaic solar energy.
	Algeria has the aim of deploying 22,000 MW of capacity by 2030 for the national market,
	while maintaining the export option as a strategic objective, market conditions
	permitting. Above all, this programme will help Algeria to reduce its use of fossil fuels to
	produce electricity.
	This development showcases an increase in renewable energy mix dynamics and the
	level of deployment of clean technology in Algeria.
	3. CHAD ^{cxcii}
Level of deployment of clean	Paras Energy and Natural Resources Development Limited, one of Nigeria's leading
energy technologies.	power solutions providers, recently developed a rooftop-based Solar photovoltaic
	(PV) Plant at Moundou, Republic of Chad, for Solen Renewable Energy DMCC, Dubai.
	The project, commissioned on an Engineering, Procurement & Construction (EPC) basis,
	has a total project capacity of 560KWp spanning three roof sheds.
	This development showcases an increase in deployment of renewable energy
	technology in Chad.
	4. NIGERIA ^{cxciii}

Level of deployment of clean energy technologies.	Nigerian government has announced plans for a 20-megawatt solar power plant project in partnership with a local firm as part of a larger 300-megawatt project. This is						
	for the Shiroro Generating Company, the country's first on-grid solar-hydro hybrid project. The project will be located in Shiroro, Niger state. It will be embedded						
	within NSP's 600-megawatt Shiroro Hydroelectric Power Plant concession area.						
	This emphasises the nation's commitment to diversifying energy sources and reducing carbon footprints to secure a sustainable future. The 20-megawatt pilot project is part of a 300-megawatt solar program to deploy solar energy onto the national grid.						
	This development showcases the level of deployment of clean energy technologies and RE energy mix in Nigeria.						

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AFRICA ENERGY TRANSITION WATCH

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Energy Transition Development(s) across Africa **Energy Transition** Indicator(s) 9. BOTSWANA^{cxciv} Botswana witnessed a historic moment as the groundbreaking ceremony for the Renewable Energy (RE) mix dynamics/ Mmadinare Solar Cluster marked the debut of the first utility solar PV facility in the Level of deployment of clean energy country. This project, led by Scatec, represents a major step towards renewable energy technologies development in Botswana, with the construction of a 120-MW solar complex. The event, attended by dignitaries and community members, signifies Botswana's commitment to expanding its renewable energy capacity and potentially exporting power in the future. This development will increase energy access, renewable energy mix and advances the deployment of renewable energy technology in Botswana. 10. LIBERIA^{cxcv}

On this week's African Energy Transition Watch are Botswana, Liberia, South Africa and Nigeria.

RE Mix Dynamics/Level of deployment of clean energy technologies	The Government of Liberia, with funding from the World Bank, West Regional, is expected to construct Liberia's first solar farm and expand the Mount Coffee Hydropower Plant in Louisiana, Montserrado County, from 88 Megawatts to 126 Megawatts. This development showcases an increase in renewable energy mix dynamics and the					
	level of deployment of clean technology in Liberia					
11. SOUTH AFRICA ^{cxcvi}						
Level of deployment of clean	Energea Expands Solarize South Africa Portfolio with Three New Projects. The new					
energy technologies.	projects aim to address South Africa's challenges of a highly polluting and unreliable					
	energy grid. These projects are:					
	CPOA Constantia Place: This project involves a 144 kW (DC) rooftop solar					
	installation at Southern Cross Drive, Constantia,					
	Laerskool Havinga: Located at 29 General Pienaar Ave, Witpoortje, Laerskool					
	Havinga features a 100 kW (DC) rooftop solar installation with battery backup.					
	Bosmansdam High School: Bosmansdam High School in Cape Town hosts a 77.76					
	kW (DC) rooftop solar installation with battery backup					
	This development showcases an increase in deployment of renewable energy					
	technology in South Africa.					
	12. NIGERIA ^{cxcvii}					
	The Climate Innovation Fund of US IT giant Microsoft and Climate Fund Managers (CFM)					
Level of deployment of clean	are investing \$18 million in Konexa, a renewable energy trader based in London, UK. This					
energy technologies.	nvestment covers its activities in Nigeria. UK-based Konexa obtained its renewable					
	energy trading licence from the Nigerian Electricity Regulatory Commission (NERC) in					

June 2023. As part of the development of its activities in Nigeria, the company, based in
London, UK, has raised lunas that have attracted two investors.
In practical terms, Konexa will be providing an alternative to diesel-powered generators.
30 MW Gurara hydroelectric power station on the Gurara River. TThis energy
infrastructure is operated by the Nigerian company North South Power Company.
This development showcases the level of deployment of clean energy technologies
and RE energy mix in Nigeria.

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Energy Transition Indicator(s)	Energy Transition Development(s) across Africa					
1. SOUTH AFRICA ^{cxcviii}						
Renewable Energy (RE) mix	German wind turbine manufacturer Nordex has announced that it has won a new 336					
dynamics/ Level of	MW order in South Africa. As part of its new contract, the Hamburg-based group will					
deployment of clean energy	install 57 of its Delta4000 series N163/5.X turbines in the Western Cape province of South					
technologies	Africa. The turbines will be installed on concrete towers, which, according to the group,					
	will create 300 local jobs. The equipment will be installed in three wind farms, each with					
	a capacity of 112.1 MW. The three wind farms will be an important step in reducing South					

On this week's African Energy Transition Watch are South Africa, Ivory Coast, Gambia, Angola and Nigeria.

	Africa's dependence on fossil fuels and increasing the share of renewable energies in					
	the country's energy mix					
	,					
	This development will increase energy access, renewable energy mix and advances					
	the deployment of renewable energy technology in South Africa.					
2. IVORY COAST ^{cxcix}						
Level of deployment of clean	In Ivory Coast, French oil and gas giant TotalEnergies is entering into a new partnership					
enerav technologies	with Canadian minina operator Fortuna Silver. The aim is to equip the new Séquéla aold					
	mine with a 6 MWp photovoltaic solar power plant. The solar power plant could generate					
	up to 11.7 GWb of electricity per year enough to meet 30% of the energy needs of the					
	Séquéla mine located 500 km north of the economic capital Abidian					
	seguela mine, located boo kin horti of the ceonomic capital Ablajan					
	This development showcases an increase in the level of deployment of clean					
	technology in Ivory Coast.					
	3. GAMBIA ^{cc}					
Renewable Energy (RE) mix	The Gambian government has just inaugurated its first large-scale solar energy					
dynamics/ Level of	production facility. Located in Jambur, the plant, financed by the European Union (EU)					
deployment of clean energy	and the World Bank, has a capacity of 23 MWp with an 8 MWh electricity storage system.					
technologies.	The project will significantly reduce Gambia's dependence on imported fossil fuels for					
3	electricity generation. The project also gims to accelerate the country's transition to a					
	50% supply of electricity from renewable energy sources by 2030					
1						

	This development showcases an increase in renewable energy mix and advances the					
	deployment of renewable energy technology in Gambia.					
	4. ANGOLA ^{cci}					
	The Angola government has opened the 26.14-MW Saurimo solar park project in the					
Renewable Energy (RE) mix	Lunda Sul province, east of Angola. The Saurimo solar park will have 44,850 solar panels					
dynamics/ Level of	to generate enough clean electricity to meet the demand of around 171,000 people.					
deployment of clean energy	When the park is operational, it will contribute to the country reducing diesel					
technologies	consumption by around 1.4 million litres.					
This development showcases the increase in level of deployment of clean energy						
	technologies and RE energy mix in Angola.					
	5. NIGERIA ^{ccii}					
Existence of international	The European Investment Bank (EIB) has approved a \$20 million loan for electrification					
donor involvement in RE	via community mini-grids powered by solar photovoltaic energy, as part of a Series D					
projects/ Level of	fund-raising operation organised by Husk Power. Thanks to this financing, thousands of					
deployment of clean energy	homes and businesses will benefit from more reliable access to solar energy and					
technologgies	battery storage, avoiding the need for more expensive diesel generators. In addition to					
	electrification, Husk plans to install rooftop solar panels for commercial and industric					
	(C&I) customers, expand sales of appliances to households and small businesses, and					
	introduce value-added services such as agri-food and e-mobility.					
	This development showcases the existence of international donor involvement in R					
projects and increase in the level of deployment of clean energy technologies in						
	Nigeria.					

This document of the referenced country(ies) is not expected to form the basis of or be construed as standard legal advice, nor should any of its contents and representations be strictly relied upon for any activities. Electricity Lawyer (EL) will not be liable for decisions whatsoever that are made based on the contents of the document.

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