



**AFRICA
ENERGY
TRANSITION
WATCH**

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;

Egypt | **Angola** | **Cameroon** | **South Africa** | **Nigeria**



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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.

	<p>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.”</p> <p>This project should increase Egypt’s energy mix and alternative fuel sources.</p>
ANGOLA	
RE Mix Dynamics	<p>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.</p> <p>This collaboration should increase Angola’s share of renewable energy in its energy mix.</p>
CAMEROON	
RE Mix Dynamics/ Electrification Rate	<p>The last work of the Nachtigal hydroelectric project located in the Mbam-et-Kim 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.</p> <p>This development is expected to increase Cameroon’s electricity access and RE mix dynamics in the coming months/years.</p>

SOUTH AFRICA	
RE Mix Dynamics	<p>Rheinmetall Denel Munition (RDM), a company specialised in the development, design, and manufacture of large- and medium-calibre ammunition families, has announced 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.</p> <p>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.</p>
NIGERIA	
RE Mix Dynamics/ Electrification rate	<p>Nigeria commissioned a 40-MW hydroelectric power station in May 2023 in the north-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.</p> <p>This development advances Nigeria's level of access to electricity and increases Nigeria's RE mix dynamics within the overall energy mix.</p>

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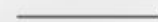
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On this week's African Energy Transition Watch are;

Namibia | **Angola** | **Morocco** | **Sierra Leone** | *and Africa in general.*



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Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. NAMIBIA	
Clean Energy Technologies/ RE Mix Dynamics	In cooperation with German investors, Namibia has commissioned Sub-Saharan 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

¹Soren Amelang, 'Namibia launches 10 billion dollar-hydrogen projects with German participation' (Clean Energy Wire, 25 May 2023) < <https://www.cleanenergywire.org/news/namibia-launches-10-billion-dollar-hydrogen-project-german-participation> > accessed 02 June 2023

	<p>Green hydrogen and its derivatives are considered key to decarbonising sectors that can't be electrified directly, such as steelmaking, chemicals and aviation.² This development advances the utilisation of Clean Energy Technologies in Namibia as well as the diversification of Namibia's renewable energy mix.</p>
<p>2. ANGOLA</p>	
<p>RE Mix Dynamics/ Energy access</p>	<p>Pionered by Solenova consortium, Angola's first photovoltaic plant was Inaugurated 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 2025.³</p> <p>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.⁴ This is in addition to guaranteeing the energy needs of the province of Namibe.</p>
<p>3. MOROCCO</p>	

² ibid

³ Matthew Goosen, 'First Angolan Solar Power Station goes into operation in Namibe' (Energy Capital & Power) <<https://energycapitalpower.com/azule-energy-sonangol-caraculo-solar-pv-in-angola/>> accessed 02 June 2023

⁴ ibid

<p>Clean Energy Technologies</p>	<p>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.⁵</p> <p>This agreement advances the deployment of Clean Energy Technologies in Morocco.</p>
<p>4. AFRICA</p>	
<p>Clean Energy Technologies/ Value of international donor involvement in RE projects</p>	<p>The Institut de recherche pour le développement (IRD), France announced its intention to launch the “Innovation Trophies” to fund the project of two winners (capped at 10,000 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.⁶</p> <p>Additionally, the Board of Governors of the African Development Bank Group has approved management’s request to leverage the equity of the African Development</p>

⁵ Benoit-Ivan Wansi, ‘MOROCCO: KOICA finances electric mobility in Marrakech to the tune of €11m’ (Afrik21, 31 May 2023) <<https://www.afrik21.africa/en/morocco-koica-finances-electric-mobility-in-marrakech-to-the-tune-of-e11m/>> accessed 02 June 2023

⁶ ibid

	<p>Fund, to mobilize more resources on the capital markets.⁷ 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.”⁸</p> <p>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.</p>
<p>5. SIERRA LEONE</p>	
<p>RE Mix Dynamics/ Energy access</p>	<p>Infinitum Energy is reported to have initiated a bid to create a waste-to-energy power plant with potential to add 30MW of power to Freetown, Sierra Leone’s capital.⁹ 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”.¹⁰</p> <p>This project advances the utilisation of Clean Energy Technologies in Sierra Leone while also advancing energy access.</p>

⁷ AfDB, ‘African Development Bank Group to unlock significant additional resources for low income countries – Adesina’ (AfDB, 26 May 2023) <<https://www.afdb.org/en/news-and-events/press-releases/african-development-bank-group-unlock-significant-additional-resources-low-income-countries-adesina-61530>> accessed 02 June 2023

⁸ ibid

⁹ Idiongoabasi Udoh, ‘Infinitum Energy to Build 30MW Waste-to-Energy Plant in Sierra Leone’ (The Electricity Hub, 20 May 2023) <<https://theelectricityhub.com/infinitum-energy-to-build-30mw-waste-to-energy-plant-in-sierra-leone/>> accessed 02 June 2023

¹⁰ ibid

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Nigeria **Mauritania** **Egypt** **Morocco** *and Africa in general.*



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Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. NIGERIA	
Level of potential for attracting investment in Clean Energy Technologies/ Value of international donor involvement in RE projects	The president of the Federal Republic of Nigeria on 29 th May 2023, at his inauguration event made the pronouncement which led to the official removal of fuel Subsidy in Nigeria, following which Nigeria National Petroleum Corporation Limited (NNPCL), published new pump pricing schedule for Premium Motor Spirit (PMS) in Nigeria. Fossil 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.

	<p>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).¹¹</p> <p>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.</p>
2. MAURITANIA	
<p>RE Mix Dynamics/ Energy access</p>	<p>Mauritania launched the “Affordable access to clean, renewable electricity” programme in the week that commenced on the 5th 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.¹²</p> <p>This project advances access to electricity in Mauritania and increases RE utilisation in the country.</p>
3. EGYPT	

¹¹ All On, <<https://www.linkedin.com/feed/>> accessed 09 June 2023

¹² Mauritania launches EU project to increase electricity access (ESI Africa, 8 June 2023) <<https://www.esi-africa.com/renewable-energy/mauritania-launches-eu-project-to-increase-electricity-access/>> accessed 09 June 2023

<p>Clean Energy Technologies</p>	<p>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.¹³</p> <p>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 potential impact of the project on certain large birds which popularly migrate through the route from Europe to spend the winter in Africa, predominantly in the Great Lakes region.</p>
<p>4. MOROCCO</p>	
<p>Clean Energy Technologies/ Value of international donor involvement in RE projects</p>	<p>Morocco has entered Partnership with the European Union (EU) to Support Moroccan Companies in driving green Investments known as the “EU-Morocco Green Deal 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</p>

¹³ Jean Marie Takoueu, ‘EGYPT: Masdar, Hassan Allam and Infinity secure land for 10 GW wind farm’ (Afrik21, 8 June 2023) < <https://www.afrik21.africa/en/egypt-masdar-hassan-allam-and-infinity-secure-land-for-10-gw-wind-farm/>> accessed 09 June 2023

	<p>reduction opportunities including attracting new sustainability and clean energy project investments in the country.¹⁴</p> <p>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.</p>
5. AFRICA	
<p>RE Mix Dynamics/ Clean Energy Technologies/ Value of international donor involvement in RE projects</p>	<p>Africa was reported to have added more hydropower in 2022 than previous year by a growth of 2GW.¹⁵ Hydropower is a renewable energy source that generates power using a dam or diversion structure to alter the natural flow of river or other body of water.¹⁶ 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.¹⁷</p> <p>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</p>

¹⁴ Idiongoabasi Udoh, ‘Morocco-EU Partnership to Support Moroccan Companies Drive Green Investments’ (Electricity Hub, 7 June 2023) < <https://theelectricityhub.com/morocco-eu-partnership-to-support-moroccan-companies-drive-green-investments/>> accessed 09 June 2023

¹⁵ The International Hydropower Association, ‘Africa added more hydropower capacity in 2022 than previous year’ (ESI Africa, 7 June 2023) < <https://www.esi-africa.com/africa/africa-added-more-hydropower-capacity-in-2022-than-previous-year/>> accessed 09 June 2023

¹⁶ Department of Energy, ‘How Hydropower Works’ < <https://www.energy.gov/eere/water/how-hydropower-works#:~:text=Hydropower%2C%20or%20hydroelectric%20power%2C%20is,or%20other%20body%20of%20water.>> accessed 09 June 2023

¹⁷ Ana Lucia Caceres & Ors, ‘Potential hydropower contribution to mitigate climate risk and build resilience in Africa’ (Nature Climate Change, 2022) < [https://www.nature.com/articles/s41558-022-01413-6#:~:text=According%20to%20a%20report%20by,GW%20\(ref.%2027\).](https://www.nature.com/articles/s41558-022-01413-6#:~:text=According%20to%20a%20report%20by,GW%20(ref.%2027).)> accessed 09 June 2023

construction of two solar photovoltaic power plants with a combined capacity of 500 MWp.¹⁸

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.¹⁹

Although, the 2GW hydropower addition pales in comparison with Africa's hydropower potential, the additional 2GW is a positive step by Africa which contributes to her RE mix dynamics 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 donor involvement in RE projects in Africa.

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¹⁸ Jane Marie Takouleu, Angola: US Exim Bank releases a record \$900m for two solar power plant' (Afrik21, 7 June 2023) < <https://www.afrik21.africa/en/angola-us-exim-bank-releases-a-record-900m-for-two-solar-power-plants/>> accessed 09 June 2023

¹⁹ Ines Magoum, 'Africa: ACV obtains \$1.2million from FSD Africa to finance climate innovations' (Afrik21, 5 June2023) <<https://www.afrik21.africa/en/africa-acv-obtains-1-2-million-from-fsd-africa-to-finance-climate-innovations/>> accessed 09 June 2023

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Angola **Kenya** **Egypt** **Mozambique** **DRC**



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Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. ANGOLA.²⁰	
Energy access/ RE mix dynamics/ Clean Energy Technologies	The government of Angola has promised through the Ministry of Energy and Water to provide electricity to about six million people in the Angola's southern and eastern 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.

²⁰ Nicholas Nhede, 'Angola Ramps Up Electrification for Six Million Consumers' (Energy Capital & Power, 12 June 2023) <<https://energycapitalpower.com/angola-electrification-6-million-consumers/>> accessed 16 June 2023

	<p>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, Lunda Sul, Moxico, Bié and Malanje provinces as part of electrification measures underway for consumers in the eastern parts of the country.²¹</p> <p>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.</p>
2. KENYA	
Clean Energy Technologies/ RE mix dynamics	<p>Roam, a mobility start-up company born in Sweden and having presence in Kenya, recently installed a network of three battery exchange stations for its electric motorbikes in Nairobi.²² 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.</p>

²¹ ibid

²² Benoit-Ivan Wansi, ‘Kenya: Roam inaugurates 3 battery exchange stations for its e-motorbikes in Nairobi’ (Afrik21, 12 June 2023) <<https://www.afrik21.africa/en/kenya-roam-inaugurates-3-battery-exchange-stations-for-its-e-motorbikes-in-nairobi/>> accessed 16 June 2023

	<p>This development advances Kenya’s move towards a low carbon economy with the introduction of a clean energy technology (battery swapping) which is expected to further advances 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.</p>
<p>3. EGYPT²³</p>	
<p>Clean Energy Technologies</p>	<p>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.²⁴ 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.</p> <p>This development advances Clean Technologies utilisation in Egypt. Clean Technologies refer to processes or practices that help to avoid or eliminate environmental damage.</p>
<p>4. MOZAMBIQUE²⁵</p>	

²³ Ines Magoum, ‘Egypt: a new solid waste recycling plant in Nag Hammadi’ (Afrik21, 12 June 2023) <<https://www.afrik21.africa/en/egypt-a-new-solid-waste-recycling-plant-in-nag-hammadi/>> accessed 16 June 2023

²⁴ Ines Magoum, ‘Egypt: a new solid waste recycling plant in Nag Hammadi’ (Afrik21, 12 June 2023) <<https://www.afrik21.africa/en/egypt-a-new-solid-waste-recycling-plant-in-nag-hammadi/>> accessed 16 June 2023

²⁵ Jean Marie Takoulu, Mozambique: the EU and the EIB pledge 500M for the Mphanda Nkuwa mega dam’ (Afrik21, 12 June 2023) <<https://www.afrik21.africa/en/mozambique-the-eu-and-the-eib-pledge-e500m-for-the-mphanda-nkuwa-mega-dam/>> accessed 16 June 2023

<p>Clean Energy Technologies/ RE mix dynamics/ Value of international donor involvement in RE projects</p>	<p>The European Union (EU) and the European Investment Bank (EIB) have announced their intentions to contribute €500 million to the financing of the Mphanda Nkuwa mega hydroelectric project in Mozambique. The announcement was made by the Mphanda 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).</p> <p>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.</p>
<p>5. DRC²⁶</p>	
<p>Legal provisions for promoting climate change and policies</p>	<p>The Non-Governmental Organisation, Conseil pour la défense environnementale par la légalité et la transparence (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.</p> <p>These published works by CODELT promotes the legal provision for promoting climate change and policies in DRC.</p>

²⁶ Benoit-Ivan Wansi, ‘DRC: the NGO CODELT publishes two works on environmental legislation’ (Afrik21, 15 June 2023) <<https://www.afrik21.africa/en/drc-the-ngo-codelt-publishes-two-works-on-environmental-legislation/>> accessed 16 June 2023

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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;

South Africa **Benin** **Namibia** **Egypt** *and Kenya.*



AFRICA ENERGY TRANSITION WATCH

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

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. SOUTH AFRICA²⁷	
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

²⁷ Inès Magoum, 'South Africa: Alpha invests 60m (euros) in PET recycling plant in Ballito' (Afrik21, 16 June 2023) < <https://www.afrik21.africa/en/south-africa-alpha-invests-e60m-in-pet-recycling-plant-in-ballito/>> accessed 23 June 2023

	<p>commence in early summer 2023, with active recycling to commence in Autumn of 2024.</p> <p>This development advances the development of the Clean Technologies industries in South Africa.</p>
2. BENIN²⁸	
Clean Energy Technologies	<p>The West African Development Bank (BOAD) is granting a loan of 5 billion CFA francs to Compagnie béninoise de production polypropylène (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 financing partnership between the CBPP and BOAD was signed on 14 June 2023 in Cotonou.</p> <p>This development advances the Clean Technology utilisation in Benin as well as the Value of international donor involvement in RE projects.</p>
3. NAMIBIA²⁹	
Clean Energy Technologies/ RE mix dynamics	<p>The African Development Bank (AfDB) has granted Namibia \$485,000 from the Urban and Municipal Development Fund (UMDF) in line with AfDB's top five priorities, in 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 governments</p>

²⁸ Inès Magoum, 'BENIN: BOAD lends €7.6m to CBPP for solid waste recovery in Ahozon' (Afrik21, 16 June 2023) < <https://www.afrik21.africa/en/benin-boad-lends-e7-6m-to-cbpp-for-solid-waste-recovery-in-ahozon/> > accessed 23 June 2023

²⁹ Idiongoabasi Udoh, 'Namibia Receives \$485,000 Grant for Solar Electricity Project' (Electricity Hub, 21 June 2023) < <https://theelectricityhub.com/namibia-receives-485000-grant-for-solar-electricity-project/> > accessed 23 June 2023

	<p>with investments in sustainable urban development for more climate-resilient, resilient, liveable, and productive cities.</p> <p>The Grant will fund Solar Electricity Project which is expected to benefit 50,000 homes in 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 200,000 people.</p> <p>This 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.</p>
4. EGYPT³⁰	
Clean Energy Technologies	<p>Egypt’s Micro, Small and Medium Enterprises Development Agency (MSMEDA), in June of 2022, executed contracts with Egyptian International Gas Technology (GASTEC) and CARGAS, affiliates of Egypt’s Ministry of Petroleum 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.</p>

³⁰ Yunus Kemp, ‘Egypt increasing vehicle conversion from gasoline to natural gas’ (ESI Africa, 22 June 2023) < <https://www.esi-africa.com/finance-and-policy/egypt-increasing-vehicle-conversion-from-gasoline-to-natural-gas/> > accessed 23 June 2023

	<p>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 recognised as the transition fuel. Therefore, this development advances Egypt’s transition to a low carbon future by increasing the development, manufacturing, and utilisation of Clean Energy Technologies in Egypt.</p>
<p>5. KENYA³¹</p>	
<p>Value of international donor involvement in RE projects</p>	<p>The United States Agency for International Development (USAID) listed Kenya as one of 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.</p> <p>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.</p> <p>This development advances the value of international donor involvements in RE projects.</p>

Disclaimer

³¹ Idiongoabasi Udoh, ‘Kenya to Benefit from USAID \$88.9M for Renewable Energy Projects’ (Electricity Hub, 22 June 2023) <<https://theelectricityhub.com/kenya-to-benefit-from-usaid-88-9m-for-renewable-energy-projects/>> accessed 23 June 2023

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AFRICA ENERGY TRANSITION WATCH



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On this week's African Energy Transition Watch are;

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



AFRICA ENERGY TRANSITION WATCH

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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. NIGERIA³²	
Value of international donor involvement in RE projects	The World Bank's Director of Strategy and Operations for the Western Central African 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.

³² William Ukpe, 'World Bank to commit \$750 million for Nigeria's Rural Electrification' (Nairametrics, 28 June 2023) <<https://nairametrics.com/2023/06/28/world-bank-to-commit-750-million-for-nigerias-rural-electrification/?amp=1>> accessed 30 June 2023

	<p>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).</p> <p>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.</p>
2. SENEGAL³³	
<p>Value of international donor involvement in RE projects/ RE mix dynamics/ Clean Energy Technologies/</p>	<p>Senegal has struck a deal of \$2.74 billion with France, Germany, the United Kingdom, Canada and the European Union. The fund is expected to accelerate Senegal's Integrated Low-Cost Electricity Plan which seeks to strengthen the deployment of 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.</p> <p>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.</p>
3. BOTSWANA³⁴	

³³ Yunus Kemp, 'Senegal signs mega green energy deal with G7 nations and the EU (ESI Africa, 23 June 2023) < <https://www.esi-africa.com/west-africa/senegal-signs-mega-green-energy-deal-with-g7-nations-and-the-eu/>> accessed 30 June 2023

³⁴ Matthew Gooshen, World Bank Approves \$150M Loan for Botswana (Energy, Capital & Power) <<https://energycapitalpower.com/world-bank-approves-150m-loan-for-botswana/>> accessed 30 June 2023

<p>Value of international donor involvement in RE projects/ Clean Energy Technologies</p>	<p>The World Bank has approved a \$150 million Economic Resilience and Green Recovery Development Policy Loan (DPL) II for Botswana. This comes after the disbursement of a \$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.</p> <p>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.</p> <p>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 advance the deployment of clean energy technologies in Botswana.</p>
<p>4. SUB-SAHARAN AFRICA³⁵</p>	
<p>Value of international donor involvement in RE projects/ Clean Energy Technologies/ RE mix dynamics/</p>	<p>The United States Agency for International Development (USAID) has launched a new Power Africa project aimed at accelerating energy access in Africa through the deployment of on-grid and off-grid energy solutions. The project will invest up to \$89 million in clean energy projects over a period of five years (subject to finance</p>

³⁵ Nicholas Nhede, ‘USAID invests \$89M in Sub-Saharan Clean Energy’ (Energy, Capital & Power, 28 June 2023) < <https://energycapitalpower.com/usaid-sub-saharan-clean-energy/> > accessed 30 June 2023

<p>Energy access</p>	<p>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 and 1,500 km of new energy transmission lines to connect over 50 million people to affordable and cleaner fuel sources.</p> <p>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.</p>
<p>5. AFRICA³⁶</p>	
<p>Value of international donor involvement in RE projects/ Clean Energy Technologies/ RE mix dynamics/ Energy access</p>	<p>At the Summit for the New Global Financial Deal which held in June 2023 in Paris, Proparco the subsidiary of the French Development Agency (AFD) group, and the International Finance Corporation (IFC), the subsidiary of the World Bank group has announced the mobilisation of \$1.5 billion as part of the African Entrepreneurship 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.</p>

³⁶ Jean Marie Takoulu, 'Africa: IFC and Proparco co-finance access to electricity and agriculture' (Afrik21, 29 June 2023) <<https://www.afrik21.africa/en/africa-ifc-and-proparco-co-finance-access-to-electricity-and-agriculture/>> accessed 30 June 2023

	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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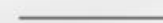
AFRICA ENERGY TRANSITION WATCH



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On this week's African Energy Transition Watch are;

South Africa Mauritius Zambia Angola and Tanzania.



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

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. SOUTH AFRICA³⁷	
RE mix dynamics/ Clean Energy Technology	Scatec ASA, a Norwegian renewables developer recently indicated that it has achieved 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

³⁷ Plemena Tisheva, 'Scatec achieves financial close for 273 MW solar project in S Africa' < <https://renewablesnow.com/news/scatec-achieves-financial-close-for-273-mw-solar-project-in-s-africa-827257/>> accessed 07 July 2023

	<p>in the fifth bidding round of the Department of Mineral Resources' Renewable Energy Independent Power Producer Procurement Programme (REIPPPP) in 2021.</p> <p>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.</p> <p>This project advances the RE mix dynamics in South Africa and advances South Africa's Clean Energy Technology utilisation.</p>
<p>2. MAURITIUS³⁸</p>	
<p>RE mix dynamics/ Clean Energy Technologies</p>	<p>Construction work is reported to have recently commenced on the Arsenal solar farm (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 helping to diversify Mauritius's electricity mix.</p> <p>This development advances the RE mix dynamics in Mauritius as well as Mauritius' Clean Energy Technologies Utilisation.</p>

³⁸ Jean Marie Takoueu, 'MAURITIUS: work starts on the Arsenal photovoltaic solar power projects' (Afrik21, 5 July 2023) < <https://www.afrik21.africa/en/mauritius-work-starts-on-the-arsenal-photovoltaic-solar-power-plant/> > accessed 07 July 2023

3. ZAMBIA³⁹	
Energy access rate	<p>Taifa Gas announced a \$100 million investment in power generation in Zambia through a joint venture with Delta Marimba, 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.</p> <p>This project is expected to advance Zambia’s energy access rate.</p>
4. ANGOLA⁴⁰	
Value of international donor involvement in RE projects/ Clean Energy Technologies/ RE mix dynamics/ Energy access	<p>The Angolan Ministry of Finance has secured finance from the British bank, Standard Chartered Plc, to build photovoltaic (PV) electricity distribution infrastructure for several rural regions across Angola. The funds will facilitate the development of 48 hybrid photovoltaic generation systems with energy storage to serve as “mini grids” and 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</p>

³⁹ Idiongoabasi Udoh, ‘Taifa Gas Signs \$100 Million Zambia Electricity Agreement’ < <https://theelectricityhub.com/taifa-gas-signs-100-million-zambia-electricity-agreement/> > accessed 3 July 2023

⁴⁰ Martina Markosyan, ‘Angola Secures EURO 1.3bn to build PV systems for rural areas’ (Renewables Now, 07 July 2023) < <https://renewablesnow.com/news/angola-secures-eur-13bn-to-build-pv-systems-for-rural-areas-827377/> > accessed 07 July 2023

	<p>financing, about EUR 1.2 billion, is backed by German Export Credit Agency Euler Hermes, while the remainder is a commercial loan.</p> <p>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.</p>
<p>5. TANZANIA⁴¹</p>	
<p>Value of international donor involvement in RE projects/ Clean Energy Technologies/ RE mix dynamics/ Energy access</p>	<p>The Organisation of the Petroleum Exporting Countries (OPEC) has disbursed a new loan of US\$60 million from the OPEC Fund for International Development (the OPEC Fund) and partners. The loan is expected to strengthen energy security in the northwest of Tanzania significantly. The project will consist of the construction of a 166km overhead transmission line to connect the Kagera region to the national grid and replace the current energy supply from Uganda with local hydropower resources. It is expected that 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.</p>

⁴¹ Idiongoabasi Udoh, 'OPEC Funds New Power Transmission Line in Tanzania' (Electricity Hub, 03 July 2023) <<https://theelectricityhub.com/opef-funds-new-power-transmission-line-in-tanzania/>> accessed 07 July 2023

	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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AFRICA ENERGY TRANSITION WATCH



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On this week's African Energy Transition Watch are;

Democratic Republic of Congo | Rwanda | Madagascar | Senegal | and Zimbabwe.



AFRICA ENERGY TRANSITION WATCH

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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 CONGO⁴²	
RE mix dynamics/ Clean Energy Technology	A Canadian renewable energy development and engineering company was reported 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

⁴² Theresa Smith, Solar for DRC to increase clean energy access (ESI Africa, 12 July 2023) < <https://www.esi-africa.com/renewable-energy/solar/solar-for-drc-to-increase-clean-energy-access/>> accessed 14 July 2023

	<p>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.</p> <p>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.</p>
2. RWANDA⁴³	
Energy access indicator	<p>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.</p> <p>This development is set to increase the rate of energy access in Rwanda.</p>
3. MADAGASCAR⁴⁴	
Energy access rate	<p>A Toronto-based battery materials development company (NextSource Materials Inc) recently announced completion of a 2.6-MW solar farm (Molo Graphite mine) in</p>

⁴³ Yunus Kemp, Saudi-funded electricity project to increase access in Rwanda (ESI Africa, 12 July 2023) < <https://www.esi-africa.com/finance-and-policy/saudi-funded-electricity-project-to-increase-access-in-rwanda/> > accessed 14 July 2023

⁴⁴ Idiongoabasi Udoh, 'Taifa Gas Signs \$100 Million Zambia Electricity Agreement' < <https://theelectricityhub.com/taifa-gas-signs-100-million-zambia-electricity-agreement/> > accessed 3 July 2023

	<p>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.</p> <p>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.</p>
4. SENEGAL⁴⁵	
Clean Energy Technologies	<p>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.</p>

⁴⁵ Anne Laure Klein, ‘6 Connectivity Projects to Watch in Senegal (Energy Capital & Power, 11 July 2023)<<https://energycapitalpower.com/6-connectivity-projects-to-watch-in-senegal/>> accessed 14 July 2023

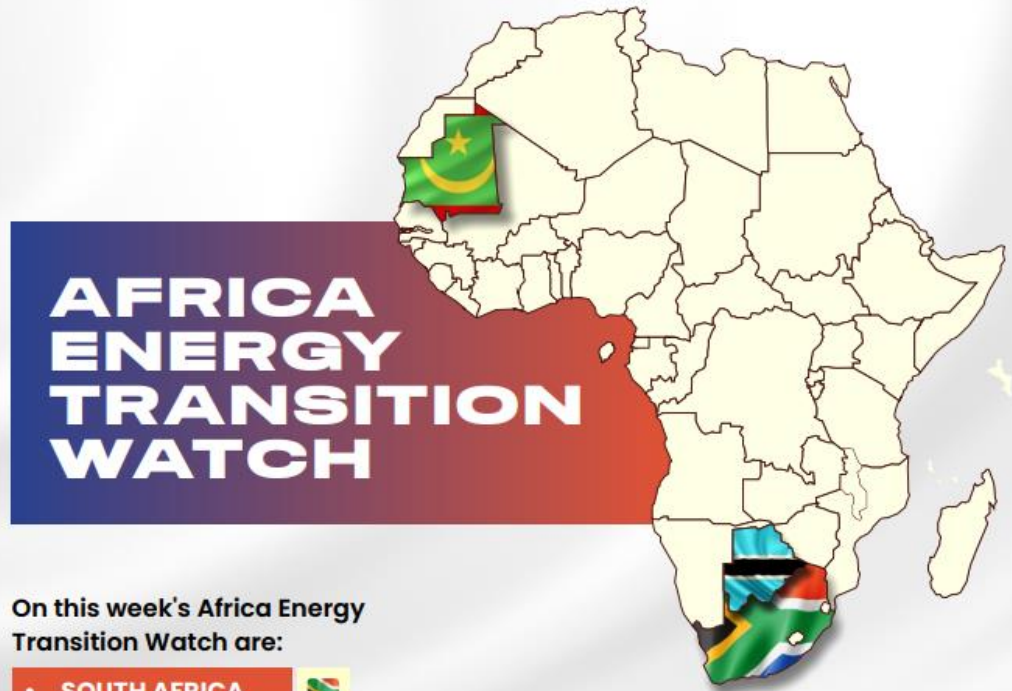
	<p>Dakar Bus Rapid Transit Project is a comprehensive metropolitan program aimed at providing high-quality transportation and involves a mass transportation system which consists of large-capacity electric buses that operate solely in dedicated lanes. The BRT project is set to begin in the fourth quarter 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.</p> <p>This project advances the utilisation of Clean Energy Technologies in Senegal.</p>
<p>5. ZIMBABWE⁴⁶</p>	
<p>Clean Energy Technologies</p>	<p>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).</p>

⁴⁶ Idiongoabasi Udoh, 'China's Huayou Commissions \$300 Million Zimbabwe Lithium Plant' (Electricity Hub, 09 July 2023) < <https://theelectricityhub.com/chinas-huayou-commissions-300-million-zimbabwe-lithium-plant/> > accessed 14 July 2023

	This development, particularly considering the potential processing of batteries advances the Clean Energy Technology manufacturing potential of Zimbabwe.
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AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

- SOUTH AFRICA
- MAURITANIA
- BOTSWANA, *and*
- AFRICA at large.



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 **SOUTH AFRICA, MAURITANIA, BOTSWANA, and AFRICA at large.**

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. SOUTH AFRICA⁴⁷	
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.

⁴⁷ <https://www.esi-africa.com/industry-sectors/water/sa-battery-energy-storage-to-back-up-clapham-pump-station-in-limpopo/> >

	The utilisation of Battery Energy Storage Systems as a backup system advances the utilisation of Clean Energy technologies in South Africa.
2. MAURITANIA⁴⁸	
Value of international donor involvement in advancing the climate mitigation	<p>The European Investment Bank (EIB) is granting a €20 million in financing and a portfolio guarantee to the Banque Mauritanienne de l'Investissement (BMI) in Mauritania. This 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.</p> <p>This development which will support the adoption of climate reporting advances and aids Mauritania's commitment to international climate obligations.</p>
3. BOTSWANA⁴⁹	
RE mix dynamics/ Clean Energy Technologies	<p>Botswana Power Cooperation, Botswana's sole electricity utility, has order a hundred 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.</p> <p>This development advances the RE mix dynamics in Botswana and the utilisation of clean and energy efficient technologies in Botswana.</p>
4. AFRICA⁵⁰	

⁴⁸ <https://energycapitalpower.com/eib-deploys-e20m-to-support-mauritanian-smes/> >

⁴⁹ <https://www.esi-africa.com/renewable-energy/solar/solar-powered-streetlights-for-botswanas-second-largest-city/> >

⁵⁰ <https://renewablesnow.com/news/eib-signs-nearly-eur-600m-in-green-transition-loans-in-europe-africa-828646/> >

<p>Value of international donor involvement in RE projects</p>	<p>The European Investment Bank (EIB) announced the signing of a number of deals for the 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.</p> <p>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.</p>
<p>5. AFRICA⁵¹</p>	
<p>Value of international donor involvement in climate projects/ Clean Energy Technology</p>	<p>NORFUND, a Norwegian Investment Fund for Developing Countries has indicated its intention to grant a convertible loan of \$12.7 million to Wecyclers and Miniplast, organisations based in Nigeria and Ghana respectively. These organisations specialising in the recycling of plastic waste, will use the funds to expand their operations in the two West African countries.</p>

⁵¹ Theresa Smith, Solar for DRC to increase clean energy access (ESI Africa, 12 July 2023) < <https://www.esi-africa.com/renewable-energy/solar/solar-for-drc-to-increase-clean-energy-access/>> accessed 14 July 2023

	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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AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

- Angola
- Ivory Coast
- South Africa and
- Africa at large.



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, particularly focusing on Renewable Energy 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 **Angola, Ivory Coast, South Africa and Africa at large**.

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. ANGOLA⁵²	
RE mix dynamics/ Clean Energy Technology	On 24 July 2023, Angola received financing to the tune of \$1.4 billion from Standard 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

⁵² <https://www.esi-africa.com/industry-sectors/water/sa-battery-energy-storage-to-back-up-clapham-pump-station-in-limpopo/> >

	<p>reliant on Angola’s main electricity network. The project will benefit approximately 203,000 households in 60 communities</p> <p>This project advances the RE mix dynamics in Angola, in addition to the level of utilisation of Clean Energy Technologies in the country.</p>
<p>2. IVORY COAST⁵³</p>	
<p>RE mix dynamics/ Clean Energy Technology/ Value of international donor involvement in RE projects</p>	<p>Biovea Energy, a special purpose vehicle set up to build the Biovea biomass power plant, was granted a €35 million to fund the project. The fund being granted by the Emerging Africa Infrastructure Fund (EAIF) of the Private Infrastructure Development Group will enable Ivory 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.</p> <p>This project advances the RE mix dynamics, Clean Energy Technology utilisation and Value of International donor involvement in RE projects.</p>
<p>3. SOUTH AFRICA⁵⁴</p>	
<p>RE mix dynamics/ Clean Energy Technologies</p>	<p>Cennergi Holdings, a subsidiary of South African mining company recently announced 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’ Grootegeeluk mine in Limpopo province of South Africa. Cennergi will sell the generated electricity to Exxaro Resources under a 25-year power purchase agreement.</p>

⁵³ <https://www.afrik21.africa/en/ivory-coast-biovea-biomass-power-plant-under-construction-with-a-e35m-loan-from-eaif/>

⁵⁴ <https://www.afrik21.africa/en/south-africa-cennergi-closes-the-financing-for-its-solar-farm-in-limpopo/>

	<p>This development advances the increased utilisation of RE in South Africa which in turn increased the Clean Energy Technology in South Africa.</p>
<p>4. AFRICA⁵⁵</p>	
<p>Climate Resilient projects</p>	<p>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.</p> <p>This development can be expected to advance climate resilient projects and potentially Clean Energy Technologies for the abatement of the potentially identified climatic risks.</p>
<p>5. AFRICA⁵⁶</p>	

⁵⁵ <https://www.afrik21.africa/en/africa-cnrs-supports-32-research-projects-on-urban-planning-water-and-climate/>

⁵⁶ <https://www.afrik21.africa/en/africa-a-joint-venture-between-spiro-and-horwin-for-electric-bicycles/>

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 (CO₂) emissions on the continent.

This development advances the utilisation of Clean Energy Technologies in Africa.

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AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

- Kenya
- Tanzania
- Ethiopia
- Rwanda
- South Sudan



AFRICA ENERGY TRANSITION WATCH

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

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. KENYA⁵⁷	
Clean Energy Technology	Roam, a startup 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.

⁵⁷ <https://www.afrik21.africa/en/kenya-roam-inaugurates-a-factory-in-nairobi-to-manufacture-50000-e-motorbikes-a-year/>

	This development increases the level of Clean Energy Technologies utilisation in Kenya.
2. TANZANIA⁵⁸	
Existence of international donor involvement in RE projects	<p>The World Bank Group, Tanzanian Government, and the Nordic Development Fund, co-financed the Dar es Salaam Metropolitan Development Project (DMDP). The parties contributed \$300 million, \$44 million, and \$6 million respectively, amounting to a total of \$350 million. <i>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”.</i></p> <p><i>This development illustrates the existence of international donor involvement in RE projects.</i></p>
3. ETHIOPIA⁵⁹	
Clean Energy Technologies	<p>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.</p> <p>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,</p>

⁵⁸ <https://www.afrik21.africa/en/tanzania-306m-from-the-world-bank-and-the-ndf-for-sustainability-in-dar-es-salam/>

⁵⁹ <https://www.esi-africa.com/industry-sectors/generation/zimbabwe-ethiopia-to-cooperate-on-nuclear-technology-with-russia/>

	This development advances the Clean Energy Technologies utilisation in Ethiopia.
4. RWANDA⁶⁰	
Clean Energy Technologies	<p>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.</p> <p>This development advances the use of clean energy technologies in Rwanda.</p>
5. SOUTH SUDAN⁶¹	
RE mix dynamics Clean Energy Technologies	<p>Sunnova Energy International, a U.S.-based energy services firm, has partnered with 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.</p> <p>This development advances the use of clean energy technologies in South Sudan.</p>

⁶⁰ <https://www.afrik21.africa/en/rwanda-basigos-electric-buses-will-start-operating-in-kigali-in-october-2023/>

⁶¹ <https://energycapitalpower.com/solar-irrigation-systems-south-sudan-sunnov/>

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AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

- South Sudan
- Benin and Togo
- Namibia
- South Africa
- Africa at large.



AFRICA ENERGY TRANSITION WATCH

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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 SUDAN⁶²	
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.

⁶² <https://energycapitalpower.com/egypt-supports-construction-of-20-solar-stations-in-south-sudan/>

	<p>This development advances the RE mix dynamics in South Sudan, in addition to the level of Clean Energy Technologies utilisation in South Sudan.</p>
<p>2. BENIN AND TOGO⁶³</p>	
<p>Clean Energy Technologies</p>	<p>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.</p> <p>This development advances the Clean Energy Technologies utilisation in Benin and Togo.</p>
<p>3. NAMIBIA⁶⁴</p>	
<p>Clean Energy Technologies</p>	<p>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.</p> <p>This development advances the availability of Uranium, a key component of nuclear energy- a low carbon energy source.</p>

⁶³ <https://www.afrik21.africa/en/benin-togo-a-e57m-credit-line-for-spiros-electric-motorbikes/>

⁶⁴ <https://energycapitalpower.com/elevate-uranium-deposits-drilling-namibia/>

4. SOUTH AFRICA⁶⁵	
Level of International Donor Involvement	<p>The Multilateral Investment Guarantee Agency (MIGA), a part of the World Bank Group, 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.</p> <p>This development advances the level of International Donor Involvement in Africa.</p>
5. AFRICA⁶⁶	
Clean Energy Technology	<p>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.</p> <p>This development advances the level of deployment of Clean Energy Technologies in Africa.</p>

⁶⁵ <https://theelectricityhub.com/miga-grants-18-million-assurance-for-bte-solar-facility/>

⁶⁶ <https://www.afrik21.africa/en/africa-bboxx-and-spiro-sign-up-to-accelerate-electric-mobility-in-3-countries/>

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AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

1. Zimbabwe
2. Uganda
3. South Africa
4. Tanzania
5. Kenya



AFRICA ENERGY TRANSITION WATCH

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

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. ZIMBABWE⁶⁷	
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

⁶⁷ <https://www.afrik21.africa/en/zimbabwe-with-chinas-prospect-harare-will-process-450000-tonnes-of-lithium-a-year/>

	<p>positioning in the global electric vehicle market, considering that car manufacturers are growing interest in its lithium potential.</p> <p>This development advances the level of Clean Energy Technologies adoption and utilisation in Zimbabwe.</p>
2. UGANDA⁶⁸	
Legal Provisions for combating climate change	<p>Members of the Parliament of Uganda have urged the Ministry of Agriculture, Animal Industries and Fisheries (MAAIF) to consider enacting a policy for requiring all large-scale farmers to plant trees 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.</p> <p>This development advances the legal provisions for combating climate change in Uganda.</p>
3. SOUTH AFRICA⁶⁹	
RE mix dynamics	<p>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.</p> <p>This development advances the renewable energy mix dynamics as well as the deployment of clean energy technology in South Africa.</p>

⁶⁸ <https://www.esi-africa.com/news/uganda-parliament-proposes-to-enact-policy-on-tree-planting/>

⁶⁹ <https://www.esi-africa.com/renewable-energy/three-community-owned-renewable-energy-projects-established-in-sa/>

4. TANZANIA⁷⁰	
Existence of International Donor Involvement	<p>An electricity access provider, d.light, secured a \$30 million securitisation facility from 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.</p> <p>This development advances the existence of International Donor Involvement and energy access in Tanzania.</p>
5. KENYA⁷¹	
Energy access indicator/ RE mix dynamics/ Grid Integration of RE Sources/ Clean Energy Technologies	<p>Sosian Energy, a Nairobi-based energy company, has just connected its Menengai geothermal power plant to Kenya's national grid. This will increase Kenya's installed electricity capacity by 35 MW. Sosian Energy, the project developer (an independent power producer) is purchasing the steam required to operate the plant from the Kenyan 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.</p> <p>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.</p>

⁷⁰ <https://www.afrik21.africa/en/tanzania-125m-securitisation-for-solar-electricity-access/>

⁷¹ <https://www.afrik21.africa/en/kenya-in-menengai-a-new-geothermal-power-plant-injects-35-mwe-into-the-grid/>

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AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

1. Nigeria
2. Rwanda
3. Madagascar
4. Benin
5. South Africa



AFRICA ENERGY TRANSITION WATCH

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

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. NIGERIA⁷²	
Clean Energy Technologies/ RE mix dynamics	A 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.

⁷² <https://www.afrik21.africa/en/nigeria-an-electric-vehicle-charging-station-inaugurated-in-nsukka/>

	This development advances the level of Clean Energy Technologies adoption and utilisation, in addition to the RE mix dynamics in Nigeria.
2. RWANDA⁷³	
Clean Energy Technologies	<p>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.</p> <p>This development advances the level of Clean Energy Technologies adoption and utilisation in Kenya.</p>
3. MADAGASCAR⁷⁴	
Clean Energy Technologies/ RE mix dynamics	<p>Madagascar has announced that its first “Urban Train” line will come into service in the 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).</p>

⁷³ <https://www.afrik21.africa/en/rwanda-ewaka-to-deploy-1000-electric-bikes-and-scooters-by-2024/>

⁷⁴ <https://www.afrik21.africa/en/madagascar-the-first-urban-train-line-will-soon-link-soarano-to-amoronankona/>

	This development advances the renewable energy mix dynamics as well as the deployment of clean energy technology in Madagascar.
4. BENIN⁷⁵	
Legal Provisions for combating climate change	<p>A new legislation on sustainable urban planning is under consideration in Benin. The bill 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 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.</p> <p>This bill, if promulgated, will advance Legal Provisions for combating climate change in the Republic of Benin.</p>
5. SOUTH AFRICA⁷⁶	
Natural Gas	<p>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 LNG size operation for commercial development of on-shore wells within existing granted Exploration Rights and further blocks will consist of commercial development of</p>

⁷⁵ <https://www.afrik21.africa/en/benin-parliament-examines-a-long-awaited-bill-on-sustainable-urban-planning/>

⁷⁶ <https://www.esi-africa.com/industry-sectors/generation/largest-onshore-gas-project-on-the-cards-for-south-africa/>

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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AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

1. Egypt
2. South Africa
3. Burundi
4. Djibouti
5. Africa at large



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, particularly focusing on Renewable Energy 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, Existence of international donor involvement in RE projects, etc.

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. EGYPT⁷⁷	
RE mix dynamics/ Clean Energy Technologies	Egypt has secured a Deal for a 3GW Wind Farm Project. The deal was signed to allocate land to build, own, and operate a wind farm project of about 852 km ² 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.

⁷⁷ <https://theelectricityhub.com/egypt-secures-deal-for-3gw-wind-farm-project/>

	This development advances the level of Clean Energy Technologies adoption and utilisation, in addition to the RE mix dynamics in Egypt.
2. SOUTH AFRICA⁷⁸	
RE mix dynamics/ Clean Energy Technologies	<p>A crypto investor has used bitcoin to purchase 98% of solar cells required to develop a 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.</p> <p>This development advances the level of Clean Energy Technologies adoption and utilisation in South Africa.</p>
3. BURUNDI⁷⁹	
RE mix dynamics/ Clean Energy Technologies	<p>European Development Finance Institutions (EDFI)–Electrification Financing Initiatives (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.</p> <p>This development advances the deployment of clean energy technologies in Burundi which will in turn increase the RE mix dynamics.</p>

⁷⁸ <https://www.esi-africa.com/renewable-energy/south-africa-schools-solar-energy-project-funded-by-bitcoin-investor/>

⁷⁹ <https://www.esi-africa.com/renewable-energy/burundi-3000-households-to-benefit-from-clean-energy-investment/>

4. DJIBOUTI⁸⁰	
RE mix dynamics/ Clean Energy Technologies	<p>AMEA Power has signed a 25-megawatt (MW) solar contract with Djibouti. The contract signed by the Chief Executive Officer of the national utility company, Electricité 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.</p> <p>This development increases the proportionate share of RE in Djibouti’s energy mix and by extension the level of deployment of Clean Energy Technologies.</p>
5. AFRICA⁸¹	
Existence of International donor involvement in RE projects	<p>By the records of International Finance Corporation (IFC) a total of \$11.5 billion have been provided in financing in Africa in the 2023 fiscal year. The finance was geared towards 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.</p>

⁸⁰ <https://theelectricityhub.com/amea-power-signs-25mw-solar-contract-with-djibouti/>

⁸¹ <https://www.esi-africa.com/renewable-energy/ifc-has-provided-record-financing-of-11-5-billion-in-africa/>

	This represents the existence of international donor involvement in RE projects in Africa.
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AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

1. Nigeria
2. South Africa
3. Rwanda
4. Kenya
5. Mali



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, particularly focusing on Renewable Energy 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, Existence of international donor involvement in RE projects, etc.

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

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. NIGERIA⁸²	
RE mix dynamics/ Clean Energy Technologies	JinkoSolar recently provided an energy storage system (ESS) for a mini-grid project in 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

⁸² <https://www.esi-africa.com/business-and-markets/jinkosolar-deploys-energy-storage-system-for-mini-grid-project-in-nigeria/>

	<p>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.</p> <p>This development advances the level of Clean Energy Technology adoption and utilisation, in addition to the RE mix dynamics in Nigeria</p>
2. SOUTH AFRICA⁸³	
RE mix dynamics/ Clean Energy Technologies	<p>The Minister of Electricity in South Africa, Kgosientsho Ramokgopa, has announced plans 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 11,904MW installed electricity capacity. The government also aims to expand transmission lines by 14,000km in the next decade to accommodate renewable energy projects.</p> <p>This development advances the level of renewable energy adoption and utilisation in South Africa</p>
3. KENYA⁸⁴	

⁸³ <https://theelectricityhub.com/south-africa-electricity-ministry-to-expand-grid-for-renewables/>

⁸⁴ <https://www.afrik21.africa/en/kenya-as-part-of-climate-week-uber-launches-its-fleet-of-electric-motorbikes/>

<p>RE mix dynamics/ Clean Energy Technologies</p>	<p>Uber has announced its new electric mobility venture in Kenya, starting with the 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 the country's roads by 2024.</p> <p>This development advances Clean Energy Technologies' adoption and utilisation in Kenya.</p>
<p>4. MALI⁸⁵</p>	
<p>Existence of International donor involvement in RE projects</p>	<p>The International Development Association (IDA) has granted Mali \$157 million in financing to boost the dependability and efficiency of its electricity system. The funding will also aid in expanding access to electricity in specific project locations and support the integration of renewable energy.</p> <p>This showcases the existence of international donor involvement in RE projects in Mali</p>
<p>5. RWANDA⁸⁶</p>	
<p>RE mix dynamics/ Clean Energy Technologies</p>	<p>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</p>

⁸⁵ <https://www.worldbank.org/en/news/press-release/2023/06/23/the-world-bank-strengthens-access-to-quality-electricity-in-mali>

⁸⁶ <https://www.afrik21.africa/en/rwanda-ewaka-to-deploy-1000-electric-bikes-and-scooters-by-2024/>

	<p>Kigali starting from December 2023. AC Mobility, a Rwandan company, will partner with eWaka to offer its technological solutions.</p> <p>This development will help reduce the consumption of fossil fuels (petrol and diesel), responsible for air pollution in the region.</p>
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AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

1. Kenya
2. Djibouti
3. Nigeria
4. South Africa
5. Africa in general



AFRICA ENERGY TRANSITION WATCH

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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. KENYA⁸⁷	
Legal provisions for promoting climate change and policies on carbon trading/	Following the Africa Climate Summit in Nairobi, the Republic of Kenya launched on Tuesday, the 5th of September 2023, a Green Hydrogen Strategy and Roadmap that includes a two-phase implementation plan for the period 2023-2032. The European 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

⁸⁷ <https://renewablesnow.com/news/eu-backed-kenya-launches-green-hydrogen-roadmap-833202/>

Existence of international donor involvement in climate projects	<p>Kenyan green hydrogen industry” under the Global Gateway, Europe's investment strategy for the world.</p> <p>This development advances Kenya policies for promoting climate action. It also displays the existence of international donor involvement in climate projects.</p>
6. DJIBOUTI⁸⁸	
RE mix dynamics/ Clean Energy Technologies/ Existence of international donor involvement in RE projects	<p>The Republic of Djibouti has inaugurated its first-ever wind farm. The wind far project consist of a 60-MW facility located near Lake Goubet spanning across 387 hectares with 17 Siemens turbines each producing 3.4 MW of renewable electricity. The project also consists of a 220- MVA substation and is connected to the grid by a five-kilometre (3.10 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.</p> <p>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.</p>
7. NIGERIA⁸⁹	
Clean Energy Technologies	<p>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</p>

⁸⁸ <https://renewablesnow.com/news/djibouti-launches-its-first-ever-wind-farm-833569/>

⁸⁹ <https://www.afrik21.africa/en/nigeria-the-first-metro-line-in-lagos-serves-175000-passengers/>

	<p>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.</p> <p>This development advances the level of adoption of clean energy technologies in Nigeria.</p>
<p>8. SOUTH AFRICA⁹⁰</p>	
<p>RE mix dynamics/ Clean Energy Technologies</p>	<p>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.</p> <p>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.</p>
<p>5. AFRICA⁹¹</p>	
<p>Existence of International donor involvement in RE projects</p>	<p>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.</p>

⁹⁰ <https://www.esi-africa.com/renewable-energy/south-africa-nearly-1000-households-to-benefit-from-solar-geysers/>

⁹¹ <https://www.afrik21.africa/en/africa-catalyst-raises-8m-to-invest-in-40-climate-start-ups/>

	This development showcases the existence of international donor involvement in climate projects in Africa projects.
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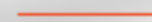
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AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

1. Nigeria
2. Benin
3. Kenya
4. Ghana
5. Africa at large



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, particularly focusing on Renewable Energy 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, Existence of international donor involvement in RE projects, etc.

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

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. NIGERIA⁹²	
Existence of international donor involvement in RE projects	The African Development Bank (AfDB) has pledged to disburse a previously approved \$250 million fund for the Nigeria Electrification Project (NEP). The NEP project is under the Rural Electrification Agency (REA) to tackle the energy crisis. This pledge during a bilateral meeting at the ongoing "Just Energy Transition and Agricultural Transportation

⁹² <https://theelectricityhub.com/afdb-to-disburse-250-million-for-electrification-project/>

	<p>for Africa” conference in Busan, South Korea. The conference was organised by the Korea–Africa Economic Cooperation (KOAPEC) and the Africa Development Bank (AfDB).</p> <p>This development showcases the existence of international donor involvement in RE projects.</p>
2. BENIN⁹³	
Clean Energy Technologies	<p>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).</p> <p>This development advances the utilisation of clean technologies in the Republic of Benin.</p>
3. KENYA⁹⁴	
Level of potential for attracting investment in Clean Energy Technologies	<p>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</p>

⁹³ <https://www.afrik21.africa/en/benin-123-tonnes-of-electronic-waste-collected-and-recycled-in-cities/>

⁹⁴ <https://www.esi-africa.com/industry-sectors/transmission-and-distribution/kenyas-slums-to-be-allowed-to-buy-electricity-from-private-sellers/>

	<p>explore innovative retailing models for electricity within designated selected high-density settlement areas.</p> <p>This development will increase Kenya’s level of potential for attracting investment in Clean Energy Technologies.</p>
4. GHANA⁹⁵	
Electricity access	<p>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.</p> <p>The advancement of this plan by Ghana will advance the electricity access rate in Nigeria and Africa.</p>
5. AFRICA⁹⁶	
Existence of international donor involvement in RE projects	<p>The Islamic Development Bank has granted a loan of \$800 million to finance the Sustainable Development Goals (SDGs) in eight countries. The countries include 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.</p>

⁹⁵ <https://theelectricityhub.com/ghanas-energy-sector-targets-universal-access-export-to-nigeria/>

⁹⁶ <https://www.afrik21.africa/en/africa-the-isdb-lends-800-million-to-finance-the-sdgs-in-eight-countries/>

	This development showcases the existence of international donor involvement in RE projects.
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AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

1. Namibia
2. Kenya
3. Ghana
4. Egypt
5. Senegal



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, particularly focusing on Renewable Energy 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, Existence of international donor involvement in RE projects, etc.

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

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. NAMIBIA⁹⁷	
Level of deployment of Clean Energy Technologies	A lithium mine is currently being developed in western Namibia by global exploration 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

⁹⁷ <https://energycapitalpower.com/deriving-maximum-value-from-namibias-mineral-resources/>

	<p>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.</p> <p>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.</p>
2. KENYA⁹⁸	
Existence of international donor involvement in RE projects	<p>Kenya has signed a \$60 million deal with a United States (US) Aid Agency for the acquisition of electric buses to assist Kenya address its challenge of limited connectivity in urban areas while contributing to innovative transport solutions in Kenya.</p> <p>This development represents the existence of international donor involvement in RE projects in Kenya.</p>
3. GHANA⁹⁹	
Level of potential for attracting investment in Clean Energy Technologies	<p>Lithium Resource Ghana Ltd has invested \$2 million into exploration for lithium on a 646-square metre kilometre concession on the lithium corridor in the Central Region. The project will see the establishment of Africa’s first refinery in Takordi in the Western Region.</p> <p>This development advances the potential for attracting investment in Clean Energy Technologies in Ghana.</p>
4. EGYPT¹⁰⁰	

⁹⁸ <https://www.esi-africa.com/news/kenya-secures-funding-of-more-electric-buses-for-public-transport/>

⁹⁹ <https://theelectricityhub.com/ghana-to-set-up-africas-first-lithium-refinery/>

¹⁰⁰ <https://www.afrik21.africa/en/egypt-ifc-finances-25m-for-sustainable-steel-production/>

<p>Existence of international donor involvement in RE projects</p>	<p>The International Finance Cooperation (IFC) financed \$25 million for sustainable steel production in Egypt. IFC which is the private sector financing arm of the World Bank 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.</p> <p>This development showcases the existence of international donor involvement in RE projects.</p>
<p>5. SENEGAL¹⁰¹</p>	
<p>Energy Efficiency</p>	<p>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.</p> <p>This recognition showcases the utilisation of energy efficiency mechanisms as a means of promoting low carbon emissions.</p>

¹⁰¹ <https://www.afrik21.africa/en/senegal-eco-friendly-buildings-by-teyliom-and-duo-real-certified-edge-in-dakar/>

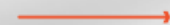
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AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

1. Morocco
2. Madagascar
3. Nigeria
4. Ghana
5. Angola



AFRICA ENERGY TRANSITION WATCH

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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. MOROCCO¹⁰²	
Existence of international donor involvement in RE projects	The International Monetary Fund (IMF) granted \$1.3 billion to Morocco for the strengthening of capacity to prepare for natural disasters and stimulate the financing of sustainable development in several cities. The IMF is lending the Cherifian Kingdom

¹⁰² <https://www.afrik21.africa/en/morocco-after-the-earthquake-1-3b-from-the-imf-to-build-resilient-green-cities/>

	<p>\$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.</p> <p>This development highlights the existence of international donor involvement in RE projects.</p>
2. MADAGASCAR¹⁰³	
Existence of international donor involvement in RE projects	<p>The African Development Bank (AfDB) financed a project in Madagascar which is aimed at addressing the socio-economic and environmental impacts of climate change on 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 Resources and Strengthen Resilience to Climate Change.</p> <p>This development contributes to the existence of international donor in climate change related projects in Madagascar.</p>
3. NIGERIA¹⁰⁴	
Level of deployment of clean energy technologies	<p>Empower New Energy is providing \$13 million in financing to WATT Renewable 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</p>

¹⁰³ <https://www.afrik21.africa/en/madagascar-the-afdb-supports-a-climate-change-resilience-project/>

¹⁰⁴ <https://www.afrik21.africa/en/nigeria-empower-finances-13m-for-the-solarisation-of-telecommunications-masts/>

	<p>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 decarbonise telecommunications masts in Nigeria.</p> <p>This development contributes to the level of deployment and utilisation of clean energy technologies in Nigeria.</p>
4. GHANA¹⁰⁵	
Level of deployment of clean energy technologies	<p>The government of Ghana has signalled its intention to launch a \$550 billion investment 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.</p> <p>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.</p>
5. ANGOLA¹⁰⁶	
Natural Gas	<p>In Angola, Global oil and gas services provider Sapura Energy has been awarded a \$300 million contract by Azure 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</p>

¹⁰⁵ <https://www.afrik21.africa/en/energy-transition-ghana-to-invest-550-billion-between-now-and-2060/>

¹⁰⁶ <https://energycapitalpower.com/sapura-energy-quiluma-and-maboqueiro-eni/>

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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AFRICA ENERGY TRANSITION WATCH



On this week's Africa Energy Transition Watch are:

- 1. Nigeria
 - 2. South Africa
 - 3. Botswana
 - 4. Cameroon
 - 5. SSA
- 
- A vertical strip of five small icons: the flag of Nigeria, the flag of South Africa, the flag of Botswana, the flag of Cameroon, and a small map of the African continent.

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AFRICA ENERGY TRANSITION WATCH

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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.¹⁰⁷	
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.

¹⁰⁷ <https://www.esi-africa.com/business-and-markets/nigeria-gas-processing-plant-to-be-constructed-in-bayelsa-state/>

	This development advances the utilisation of natural gas as a transition fuel in Nigeria.
2. SOUTH AFRICA¹⁰⁸	
Clean Energy Technology	<p>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.</p> <p>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.</p>
3. BOTSWANA¹⁰⁹	
RE mix dynamics/ Clean Energy Technologies	<p>Bobonong and Shakawe solar photovoltaic power stations are coming on stream in Botswana. These facilities which were built under public-private partnerships (PPP), will inject 4 MW into Botswana's national electricity grid.</p> <p>This development advances the RE mix dynamics in Botswana and the clean energy technologies in Botswana.</p>
4. CAMEROON¹¹⁰	
RE mix dynamics/ Clean Energy Technologies	<p>Cameroon's Minister of Water and Energy, Gaston Eloundou Essomba, has inaugurated the 36 MWp Maroua and Guider solar photovoltaic (PV) plants in the Grand-North</p>

¹⁰⁸ <https://www.afrik21.africa/en/hydrogen-powered-mobility-bmw-anglo-american-and-sasol-invest-in-south-africa/>

¹⁰⁹ <https://www.afrik21.africa/en/botswana-1st-ppp-in-solar-power-bobonong-and-shakawe-power-stations-commissioned/>

¹¹⁰ <https://energycapitalpower.com/cameroon-inaugurates-solar-energy-plants/>

	<p>region of the Central African country. The facilities serve as the first large-scale solar PV plants in Cameroon.</p> <p>This development advances the RE mix dynamics in Cameroon which in turn advances the level of utilisation of Clean Energy technologies.</p>
<p>5. SUB-SAHARAN AFRICA (SSA)¹¹¹</p>	
<p>Existence of international donor involvement in RE projects/ Clean Energy Technology</p>	<p>A funding for clean cooking by the Modern Cooking facility for Africa is scheduled to be launched at the end of November 2023 to support private sector companies in working within the clean cooking and renewable energy sector in SSA.</p> <p>This development showcases the existence of international donor involvement in RE projects and advances the level of utilisation of Clean Energy Technologies in SSA.</p>

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¹¹¹ <https://www.afrik21.africa/en/botswana-1st-ppp-in-solar-power-bobonong-and-shakawe-power-stations-commissioned/>

AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

1. Madagascar
2. Rwanda
3. Kenya
4. South Africa
5. Africa at large



AFRICA ENERGY TRANSITION WATCH

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

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. MADAGASCAR¹¹²	
RE mix dynamics/ Clean Energy Technology	Canadian mining company NextSource Materials has announced the commissioning 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

¹¹² <https://www.afrik21.africa/en/madagascar-a-2-6-mw-hybrid-solar-power-plant-comes-on-stream-at-the-molo-mine/>

	<p>and will be able to supply up to 100% of the Molo processing plant’s electricity needs during peak hours of the day.</p> <p>This development advances the level of utilisation of Clean Energy Technologies in Madagascar and by extension the RE mix dynamics.</p>
2. RWANDA¹¹³	
Existence of international donor involvement in RE projects	<p>Utilising a \$35 million loan financed by the French Development Agency (AFD) and the World Bank Group, the French Development Agency (AFD), via its subsidiary Proparco, 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.</p> <p>This development represents the Existence of international donor involvement in RE projects.</p>
3. KENYA¹¹⁴	
RE mix dynamics/ Clean Energy Technologies	<p>Kenya’s technology company, Roam, through its Pilot Programme Roam Move has partnered with other schools to roll out electric shuttle buses equipped with 170kWh battery pack and can travel 200km on a single charge. The partnership is to advance a move called “committing to providing clean and efficient urban mobility solutions”.</p> <p>This development advances the level of utilisation of Clean Energy Technologies in Kenya and by extension the RE mix dynamics.</p>

¹¹³ <https://www.afrik21.africa/en/rwanda-ifc-and-proparco-commit-35m-for-green-buildings-in-kigali/>

¹¹⁴ <https://www.esi-africa.com/news/kenya-electric-bus-to-shuttle-school-pupils-in-nairobi/>

4. SOUTH AFRICA¹¹⁵	
RE mix dynamics/ Clean Energy Technologies	<p>The World Bank recently approved a \$1bn World Bank loan for South Africa to restructure its energy sector. The loan will aid the decommissioning and repurposing of South Africa’s Komati coal-fired power plant using renewables and batteries.</p> <p>This development will advance the RE mix dynamics in South Africa’s energy mix.</p>
5. AFRICA¹¹⁶	
RE mix dynamics/ Clean Energy Technologies	<p>Several international financial institutions are providing \$103 million to the US company 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.</p> <p>This development will advance the RE mix dynamics in Africa, in addition to the level of utilisation of Clean Energy Technologies.</p>

¹¹⁵ <https://www.esi-africa.com/renewable-energy/1b-world-bank-loan-for-south-africa-to-restructure-its-energy-sector/>

¹¹⁶ <https://www.afrik21.africa/en/africa-eight-investors-raise-103m-for-husks-solar-mini-grids/>

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AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

1. Nigeria
2. South Africa
3. Mauritius
4. Ivory Coast
5. Angola
6. Democratic
Republic of Congo
(DRC)
7. Zambia



AFRICA ENERGY TRANSITION WATCH

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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. NIGERIA¹¹⁷	
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

¹¹⁷ <https://theelectricityhub.com/fg-closes-463m-deal-to-improve-power-distribution-lines/>

	<p>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.</p> <p>This development has the propensity to increase the energy access rate in Nigeria.</p>
2. SOUTH AFRICA¹¹⁸	
Existence of international donor involvement in RE projects	<p>The Government of South Africa has secured a \$1 billion Development Policy Loan (DPL) from the World Bank. The funding is aimed at addressing the ongoing energy crisis in 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.</p> <p>This development represents the existence of international donor involvement in RE project.</p>
3. MAURITANIA¹¹⁹	
RE mix dynamics/ Clean Energy Technologies/ Level of potential for attracting investment in Clean Energy Technologies	<p>Envolt, a subsidiary of the Mauritian conglomerate ENL, is launching a \$45 million green bond programme in Mauritius. The aim is to finance the construction of 13 photovoltaic solar power plants in this island country off the coast of East Africa. The programme is expected to run until 2028. The proceeds of the green bonds will be used to finance the construction and operation of 13 solar photovoltaic parks with a combined capacity of 14.4 MWp.</p>

¹¹⁸ <https://energycapitalpower.com/south-africa-world-bank-energy-crisis/>

¹¹⁹ <https://www.afrik21.africa/en/mauritius-45-million-in-green-bonds-to-finance-13-solar-power-plants/>

	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 COAST¹²⁰	
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 Programme (PEPT) will accelerate over the next few years in Ivory Coast. This development advances the rate of energy access in Ivory Coast.
5. ANGOLA, DRC AND ZAMBIA¹²¹	
Level of potential for attracting investment in Clean Energy Technologies	Africa Finance Corporation (IFC) in collaboration with the United States government, the European Union, African Development Bank and the government of Angola, the DRC and 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.

¹²⁰ <https://www.afrik21.africa/en/ivory-coast-1st-securitisation-for-access-to-electricity-registers-e91m/>

¹²¹ <https://www.esi-africa.com/business-and-markets/angola-drc-and-zambia-rail-line-to-be-a-key-mover-of-critical-minerals/>

	This development advances security of supply of critical minerals which in turn advances the level of potential for attracting investment in Clean Energy Technologies.
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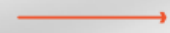
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AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

1. South Africa
2. Mozambique
3. Rwanda
4. Kenya



AFRICA ENERGY TRANSITION WATCH

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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 AFRICA¹²²	
Existence of international donor involvement in RE projects	The African Development Bank (AfDB) is providing South Africa with budget support worth \$300 million. This loan will support a government programme dedicated to energy transition and climate resilience. The loan is aimed at restoring energy security, promoting private sector participation in the electricity market and improving the

¹²² <https://www.afrik21.africa/en/south-africa-the-afdb-finances-300-million-for-energy-and-climate-resilience/>

	<p>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.</p> <p>This development represents the existence of international donor involvement in RE project.</p>
2. MOZAMBIQUE¹²³	
RE mix dynamics/ Clean Energy Technologies/ Level of potential for attracting investment in Clean Energy Technologies	<p>The Emerging Africa Infrastructure Fund has recently allocated \$19 million in debt funding for the development of the Cuamba substation. This project will help provide power to approximately 25,000 Mozambican families. In addition to supporting an affordable tariff, the funding will also go towards essential grid upgrades and the implementation of a solar battery energy storage system. These efforts are crucial for ensuring sustainable and reliable access to electricity for the local community.</p> <p>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.</p>
3. RWANDA¹²⁴	
Level of potential for attracting investment in Clean Energy Technologies	<p>BasiGo, a Kenyan start-up specialising in the assembly of electric buses, has been awarded a grant of 1.5 million dollars by the United States Agency for International 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</p>

¹²³ <https://africa-energy-portal.org/news/mozambique-cuamba-solar-power-plant-goes-service-storage-facilities>

¹²⁴ <https://www.afrik21.africa/en/rwanda-basigo-completes-electric-bus-expansion-with-1-5m-from-usaid/>

	<p>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.</p> <p>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.</p>
<p>4. KENYA¹²⁵</p>	
<p>Energy Access Indicators</p>	<p>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.</p> <p>This development will increase energy access in Kenya.</p>

¹²⁵ <https://www.afrik21.africa/en/kenya-gogo-hydroelectric-dam-to-be-upgraded-to-8-5-mw-capacity/>

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AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

1. Mali
2. DRC
3. Gabon
4. South Africa



AFRICA ENERGY TRANSITION WATCH

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

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. MALI¹²⁶	
RE mix dynamics/ Clean Energy Technologies/	WeLight, a company focused on providing renewable energy solutions, has been awarded a grant of 1.8 million dollars by the Foundation for Clean Energy and Energy Inclusion in Africa (CEI Africa). The grant will be utilized by WeLight to install solar mini-

¹²⁶ <https://www.afrik21.africa/en/mali-a-cei-grant-for-electrification-via-solar-mini-grids/>

<p>Level of potential for attracting investment in Clean Energy Technologies</p>	<p>grids, which will help in providing electricity to multiple rural communities in Mali, thus enhancing the quality of life of the people residing in these areas.</p> <p>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.</p>
<p>2. DEMOCRATIC REPUBLIC OF CONGO (DRC)¹²⁷</p>	
<p>RE mix dynamics/ Clean Energy Technologies/ Level of potential for attracting investment in Clean Energy Technologies</p>	<p>The Foundation for Clean Energy and Energy Inclusion in Africa, known as CEI Africa, has recently revealed its plan to award a grant of over \$3 million to Nuru. This funding will be utilized to electrify three neighborhoods in the eastern region of the Democratic Republic of Congo, specifically in Goma. This initiative is a remarkable step towards promoting clean energy and energy inclusion in Africa, which will have a significant impact on the lives of people living in those neighbourhoods.</p> <p>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.</p>
<p>3. GABON¹²⁸</p>	
<p>Existence of international donor involvement in RE projects</p>	<p>The Kinguélé Aval hydroelectric project in Gabon has received an initial disbursement of 81 billion CFA francs (123.4 million euros) from four lenders, including the African 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,</p>

¹²⁷ <https://www.afrik21.africa/en/drc-a-3m-grant-from-the-cei-to-electrify-goma-using-solar-power/>

¹²⁸ <https://www.afrik21.africa/en/rwanda-basigo-completes-electric-bus-expansion-with-1-5m-from-usaid/>

	<p>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.</p> <p>This development represents the existence of international donor involvement in RE project.</p>
<p>4. SOUTH AFRICA ¹²⁹</p>	
<p>Level of deployment of clean energy technologies</p>	<p>Eskom, the state-owned power utility of South Africa, has initiated the Hex Battery Energy 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.</p> <p>This development will increase energy access and deployment of clean technology in South Africa.</p>

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¹²⁹ <https://energycapitalpower.com/south-africa-commissions-battery-project/>

AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

1. Mauritania
2. Zambia
3. Kenya
4. South Africa



AFRICA ENERGY TRANSITION WATCH

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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. MAURITANIA¹³⁰	
Existence of international donor involvement in RE projects	Multilateral development finance institution, the African Development Bank (AfDB), has approved a €14M million grant towards the RIMDIR Mini-Grid Electrification Project in Mauritania – a French Development Agency and World Bank joint program aimed at advancing rural electrification.

¹³⁰ <https://energycapitalpower.com/afdb-rural-electrification-mauritania/>

	This development advances the existence of International Donor Involvement and energy access in Mauritania.
2. ZAMBIA¹³¹	
RE mix dynamics/ Clean Energy Technologies/ Level of potential for attracting investment in Clean Energy Technologies	<p>Oikocredit is taking steps to enhance access to electricity in Africa. Recently, the Dutch financial institution has allocated a \$2 million credit line to RDG Collective in Zambia. The company, which is headquartered in Lusaka, offers solar photovoltaic systems for rural households, as well as for the productive employment of electricity.</p> <p>With Oikocredit's backing, RDG expects to provide electricity for a minimum of 12,500 low-income Zambians.</p> <p>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.</p>
3. KENYA¹³²	
RE mix dynamics/ Clean Energy Technologies/ Level of potential for attracting investment in Clean Energy Technologies existence of international donor involvement in RE projects	<p>Kenya Electricity Generating Company PLC (KenGen) is currently working on a cutting-edge project involving a floating solar photovoltaic (FPV) system, which will have a capacity of roughly 40MWp. This initiative is being funded by the German bilateral Financial Cooperation funds, with the overarching goal of conducting a thorough feasibility study that can be used as a foundation for project financing and ultimately, for initiating Power Purchase Agreement (PPA) negotiations.</p>

¹³¹ <https://www.afrik21.africa/en/zambia-oikocredit-opens-2-million-credit-line-for-rdg-solar-systems/>

¹³² <https://www.esi-africa.com/renewable-energy/kenya-floating-solar-photovoltaic-project-in-the-pipeline/>

	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.
4. SOUTH AFRICA¹³³	
Level of deployment of clean energy technologies	<p>A new utility scale solar PV plant has commenced construction in Limpopo Province, South Africa. This R1.56 billion solar investment projects is set to generate a capacity of 68MW, producing 176 GWh of clean energy annually.</p> <p>This development will increase energy access and deployment of clean technology in South Africa.</p>

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¹³³ <https://www.esi-africa.com/news/exxaro-launches-lephalale-solar-project/>

AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

1. Somalia
2. Niger
3. Kenya
4. Sierra Leone.



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, particularly focusing on Renewable Energy 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, Existence of international donor involvement in RE projects, etc.

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

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. SOMALIA¹³⁴	
RE mix dynamics/ Clean Energy Technologies/	The state of Puntland in Somalia recently inaugurated a solar energy project with a production capacity of 3.5MW, aimed at meeting the growing electricity demands of Bosaso, its commercial capital. The project is set to provide clean and sustainable

¹³⁴ <https://www.esi-africa.com/east-africa/somalia-new-solar-energy-plant-crucial-to-combatting-shortages/>

<p>Level of potential for attracting investment in Clean Energy Technologies</p>	<p>energy to the region, reducing its dependence on non-renewable energy sources and contributing to the country's efforts towards achieving its renewable energy targets.</p> <p>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.</p>
<p>2. NIGER¹³⁵</p>	
<p>RE mix dynamics/ Clean Energy Technologies/ Level of potential for attracting investment in Clean Energy Technologies</p>	<p>Following a political coup in Niger that resulted in the interruption of its electricity supply, Niger has taken a major step towards energy independence by commissioning a 30MW solar photovoltaic plant. The new plant, which is equipped with more than 55,000 solar panels, represents the largest solar energy infrastructure ever built in Niger. This 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.</p> <p>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.</p>
<p>3. KENYA¹³⁶</p>	

¹³⁵ <https://www.esi-africa.com/renewable-energy/solar/sanction-hit-niger-increases-energy-supply-with-solar-pv-plant/>

¹³⁶ <https://theelectricityhub.com/world-bank-funds-kengens-battery-storage-project/>

<p>Existence of international donor involvement in RE projects.</p>	<p>The Kenya Electricity Generating Company (KenGen) has been selected by the World Bank to lead a battery storage pilot project aimed at increasing electricity access in the 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.</p> <p>This development advances the existence of International Donor Involvement and energy access in Kenya.</p>
<p>4. SIERRA LEONE¹³⁷</p>	
<p>RE mix dynamics/ Clean Energy Technologies/ Level of potential for attracting investment in Clean Energy Technologies</p>	<p>Octopus Energy, a leading British energy company, has announced plans to build its first wind farm in Sierra Leone in collaboration with Sherbro Alliance Partners (SAP). This exciting partnership marks Octopus Energy's first foray into renewable energy in Africa, and is expected to accelerate Sierra Leone's renewable energy potential while 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.</p> <p>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.</p>

¹³⁷ <https://theelectricityhub.com/britains-octopus-energy-to-build-first-wind-farm-in-sierra-leone/>

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AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

1. Angola
2. Sierra Leone
3. Togo
4. Nigeria



AFRICA ENERGY TRANSITION WATCH

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

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. ANGOLA¹³⁸	
RE mix dynamics/ Clean Energy Technologies/ Level of potential for attracting investment in Clean Energy Technologies	A memorandum of understanding was signed between Masdar, a UAE-based renewable energy company, and Angola's Ministry of Energy and Water during the COP28 in Dubai. As per the agreement, Masdar will develop a ground-mounted solar plant in the Quipungo region, Hulia province, southern Angola. The project aims to deliver electricity to at least 90,000 households and create up to 600 employment

¹³⁸ <https://www.esi-africa.com/renewable-energy/angola-solar-plant-to-provide-clean-energy-to-90000-homes/>

	<p>opportunities. This initiative marks a significant milestone in Angola's efforts to enhance its energy sector and promote sustainable development.</p> <p>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.</p>
<p>2. SIERRA LEONE¹³⁹</p>	
<p>Existence of international donor involvement in RE projects.</p>	<p>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.</p> <p>This development advances the existence of International Donor Involvement and energy access in Sierra Leone.</p>
<p>3. TOGO¹⁴⁰</p>	
<p>RE mix dynamics/ Clean Energy Technologies/</p>	<p>A global infrastructure investor has recently entered into a 25-year concession agreement with the government of Togo, along with a French multinational electric</p>

¹³⁹ <https://www.esi-africa.com/west-africa/sierra-leone-52m-for-the-first-large-scale-grid-connected-solar-ipp/>

¹⁴⁰ <https://www.esi-africa.com/renewable-energy/togo-solar-pv-plant-to-provide-700000-people-with-electricity/>

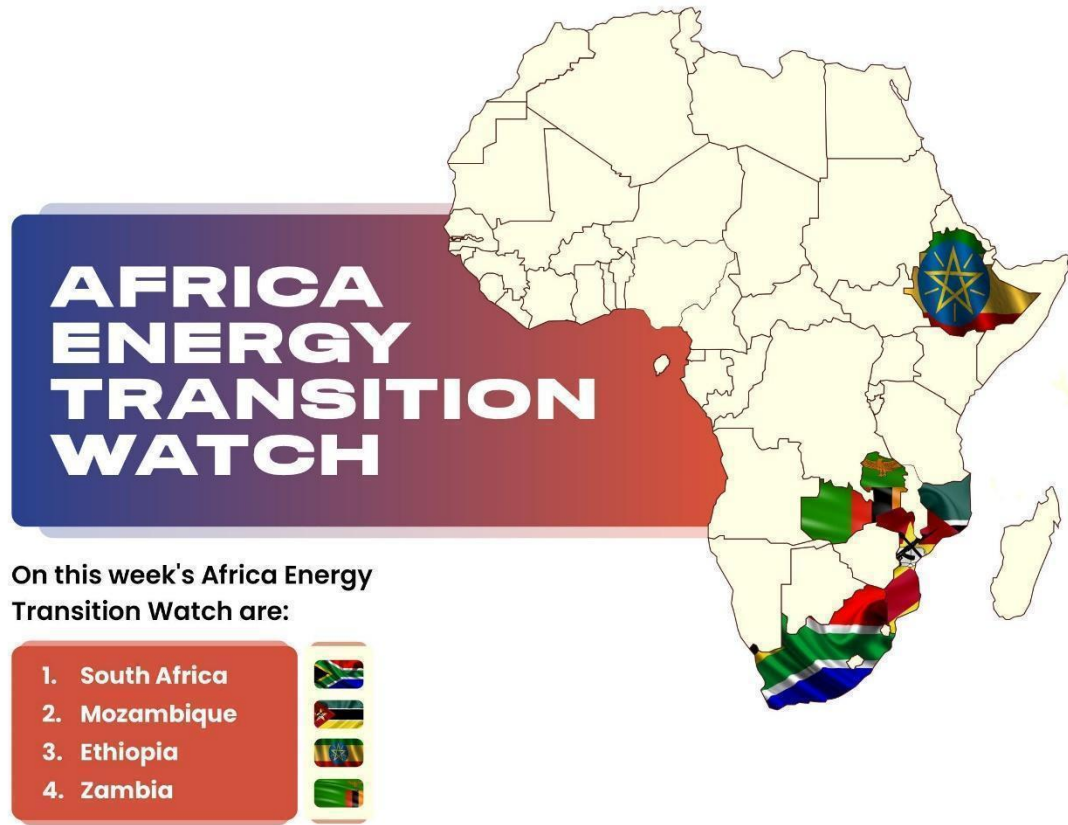
<p>Level of potential for attracting investment in Clean Energy Technologies</p>	<p>utility company. Under this agreement, the investor will undertake the design, construction, financing, and operation of a 64MWp solar PV power plant. The plant is expected to provide renewable energy to more than 700,000 people in the region who currently have limited access to electricity.</p> <p>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</p>
<p>4. NIGERIA¹⁴¹</p>	
<p>RE mix dynamics/ Clean Energy Technologies/ Level of potential for attracting investment in Clean Energy Technologies</p>	<p>A new solar panel manufacturing facility is set to be established in Nigeria, with the aim of contributing to the country's industrialization efforts. This solar PV manufacturing plant is expected to be one of the world's first large-scale production facilities for lightweight solar panels with an ultra-low carbon footprint.</p> <p>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.</p>

¹⁴¹ <https://www.esi-africa.com/renewable-energy/nigeria-ultra-low-carbon-footprint-solar-panel-plant-to-be-built/>

	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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AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy Transition Watch are:

1. South Africa
2. Mozambique
3. Ethiopia
4. Zambia

AFRICA ENERGY TRANSITION WATCH

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

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. SOUTH AFRICA¹⁴²	
Level of deployment of clean energy technologies	Scatec, the Norwegian independent power producer, has commenced operations of 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

¹⁴² <https://www.afrik21.africa/en/south-africa-kenhardt-solar-farms-come-on-stream-in-the-northern-cape/>

	<p>combined capacity of 540 MW and a storage capacity of 225 MW/1,140 MWh. This is made possible through 456 battery units.</p> <p>This development will increase energy access and advance the deployment of clean technologies in South Africa.</p>
<p>2. MOZAMBIQUE¹⁴³</p>	
<p>Existence of international donor involvement in RE projects</p>	<p>Mozambique's publicly owned electricity company, EDM, has recently signed four agreements with Africa50 to build and operate new solar power stations in the northern 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.</p> <p>This development showcases the existence of international donor involvement for increased energy access in Mozambique.</p>
<p>3. ETHIOPIA¹⁴⁴</p>	
<p>RE mix dynamics/ Clean Energy Technologies/</p>	<p>AMEA Power LLC, a Dubai-based renewable energy developer and operator, has announced its plans to construct a 300-MW onshore wind farm in Ethiopia. This marks</p>

¹⁴³ <https://africa-energy-portal.org/news/mozambique-edm-and-africa50-sign-agreements-build-solar-power-stations>

¹⁴⁴ <https://renewablesnow.com/news/amea-power-tapped-for-300-mw-onshore-wind-project-in-ethiopia-842129/>

<p>Level of potential for attracting investment in Clean Energy Technologies</p>	<p>the company's first independent power producer (IPP) project in the country. In a statement released recently, the Ethiopian ministry has described the project, valued at 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 be located in Ethiopia's Horn of Africa region. Once operational, it is expected to generate approximately 1.22 TWh of electricity annually.</p> <p>This development advances energy access and showcases the RE mix dynamics for increased energy access in Ethiopia.</p>
<p>4. ZAMBIA ¹⁴⁵</p>	
<p>RE mix dynamics/ Clean Energy Technologies/ Level of potential for attracting investment in Clean Energy Technologies</p>	<p>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).</p> <p>This development advances energy access and the level of clean energy technologies utilisation of renewable energy sources in Zambia.</p>

¹⁴⁵ <https://renewablesnow.com/news/greenco-clinches-ppa-for-25-mw-solar-project-in-zambia-842553/>

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AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

1. Mozambique
2. Nigeria
3. South Africa
4. Namibia



AFRICA ENERGY TRANSITION WATCH

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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. MOZAMBIQUE¹⁴⁶	
Renewable Energy (RE) mix dynamics	Exciting developments are underway for the Mphanda Nkuwa hydroelectric project in 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

¹⁴⁶ <https://www.afrik21.africa/en/mozambique-co-development-agreements-for-the-mphanda-nkuwa-mega-dam/>

	<p>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.</p> <p>This development will increase energy access and advance the deployment of renewable energy in Mozambique.</p>
2. NIGERIA¹⁴⁷	
Existence of international donor involvement in RE projects	<p>The World Bank has recently allocated \$750 million towards clean energy projects in Nigeria, with the objective of expanding access to electricity to over 17.5 million Nigerians 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.</p> <p>This development showcases the existence of international donor involvement for increased energy access in Nigeria.</p>
3. SOUTH AFRICA¹⁴⁸	
Level of deployment of clean energy technologies,	<p>Abengoo, a Spanish multinational, has constructed the KaXu Solar One power plant, 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</p>

¹⁴⁷ <https://theelectricityhub.com/world-bank-funds-clean-energy-in-nigeria/>


¹⁴⁸ <https://www.esi-africa.com/southern-africa/kaxu-solar-one-solar-thermal-plant-in-south-africa/>

	<p>onto a receiving tube that contains heat-absorbing fluid. This fluid then transforms the energy into steam, which powers a conventional steam turbine.</p> <p>This development advances energy access and showcases the level of deployment of clean technology in South Africa</p>
<p>4. NAMIBIA ¹⁴⁹</p>	
<p>RE mix dynamics/ Clean Energy Technologies/ Level of potential for attracting investment in Clean Energy Technologies</p>	<p>Namibia Power Corporation (NamPower) has recently entered into a contract with two esteemed Chinese companies, Shandong Electrical, Engineering & Equipment Group and Zhejiang Narada Power Source. The agreement entails the construction of a state-of-the-art battery-based electricity storage system at the Omburu substation in 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.</p> <p>This development advances energy access and the level of clean energy technologies utilisation of renewable energy sources in Namibia.</p>

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¹⁴⁹ <https://www.afrik21.africa/en/namibia-chinas-shandong-and-zhejiang-to-store-solar-energy-in-omburu/>

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AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

1. Kenya 
2. Egypt 
3. Burkina Faso 
4. South Africa 

AFRICA ENERGY TRANSITION WATCH

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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. KENYA¹⁵⁰	
Renewable Energy (RE) mix dynamics	The Menengai first geothermal power plant is being developed by the British company 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.

¹⁵⁰ <https://www.afrik21.africa/en/kenya-afdb-tdb-and-finnfund-raise-117-million-for-geothermal-energy-in-menengai/>

	<p>This development will increase energy access and advance the deployment of renewable energy in Kenya.</p>
<p>2. EGYPT¹⁵¹</p>	
<p>Level of deployment of clean energy technologies,</p>	<p>Advancing green hydrogen development in North Africa, ACWA Power has signed a 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.</p> <p>This development showcases the existence of international donor involvement for increased energy access in Nigeria.</p>
<p>3. BURKINA FASO¹⁵²</p>	
<p>Level of deployment of clean energy technologies,</p>	<p>Three different solar farms have been commissioned in Burkina Faso with the national electricity utility SONABEL as the sole offtaker. The solar plants include the Kodenii Solar PV solar power plant, Pa solar PV power plant and the Zano solar PV plant. The first two plants are expected to produce 73GWh and 54.14GWh annually respectively which will raise SONABEL’s solar production to 153MW.</p>

¹⁵¹ <https://energycapitalpower.com/egypt-acwa-power-advances-4b-green-hydrogen-project/>

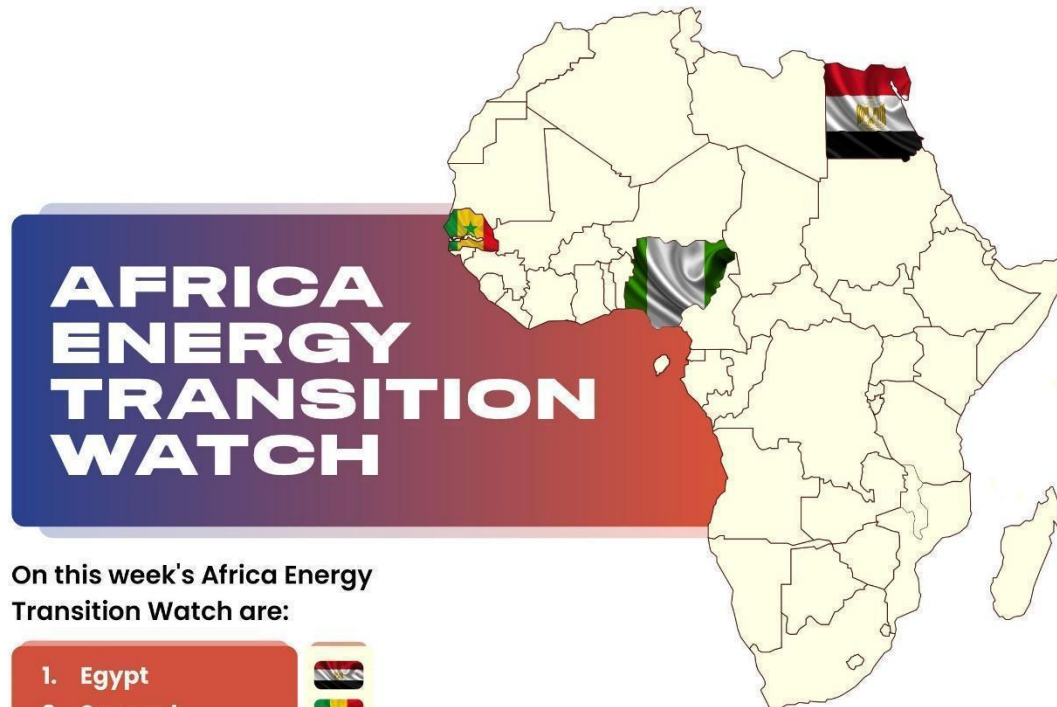
¹⁵² <https://www.esi-africa.com/renewable-energy/solar/three-solar-farms-inaugurated-for-burkina-faso-power-grid/>

	<p>This development advances energy access and showcases the level of deployment of clean energy technology in Burkina Faso.</p>
<p>4. SOUTH AFRICA¹⁵³</p>	
<p>RE mix dynamics/ Clean Energy Technologies/</p>	<p>The African Energy Chamber (AEC) has successfully launched the first phase of an 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.</p> <p>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.</p> <p>This development advances energy access and the level of clean energy technologies utilisation of renewable energy sources in Africa.</p>

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¹⁵³ <https://energycapitalpower.com/aec-power-schools-off-grid-solar/>



On this week's Africa Energy Transition Watch are:

- 1. Egypt 
- 2. Senegal 
- 3. Nigeria 
- 4. Africa in general 

AFRICA ENERGY TRANSITION WATCH

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

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. EGYPT¹⁵⁴	
Renewable Energy (RE) mix dynamics/ Level of deployment of clean energy technologies,	Saudi Arabian independent power producer (IPP) Acwa Power and its partner Hassan Allam Utilities have signed a 25-year usufruct agreement for the Jabal el Zeit wind megaproject. The facility will have a capacity of 1,100 MW, making it one of the largest clean energy plants on the African continent. The wind farm will reduce carbon dioxide

¹⁵⁴ <https://www.afrik21.africa/en/egypt-the-1-1-gw-jabal-el-zeit-wind-megaproject-receives-official-approval/>

	<p>(CO₂) emissions by 2.4 million tonnes a year and supply electricity to just over a million Egyptian homes</p> <p>This development will increase energy access and advance the deployment of renewable energy in Egypt.</p>
2. SENEGAL¹⁵⁵	
Level of deployment of clean energy technologies,	<p>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 CO₂ equivalent per year.</p> <p>This development showcases the level of deployment of clean technology and e-mobility in Senegal.</p>
3. NIGERIA¹⁵⁶	
Level of deployment of clean energy technologies/ RE mix dynamics	<p>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.</p>

¹⁵⁵ <https://www.afrik21.africa/en/senegal-the-long-awaited-solar-powered-dakar-brt-finally-goes-into-service/>

¹⁵⁶ <https://www.esi-africa.com/industry-sectors/generation/nigeria-solar-energy-project-to-up-electricity-supply-in-largest-state/>

	<p>This development advances energy access and showcases the level of deployment of clean energy technology in Nigeria.</p>
<p>4. AFRICA¹⁵⁷</p>	
<p>Existence of international donor involvement in RE projects</p>	<p>The International Finance Corporation (IFC) commits \$80 million to boost the Facility for Energy Inclusion (FEI) for African renewable energy in commercial and industrial sectors. As the World Bank Group’s private sector financing arm, the IFC provides a \$30 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.</p> <p>This development showcases the existence of international donor involvement in renewable energy in Africa.</p>

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¹⁵⁷ <https://theelectricityhub.com/ifc-invests-80m-in-african-renewable-energy-boost/>

AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

1. Gabon
2. Ghana
3. Mozambique
4. Africa in general



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, particularly focusing on Renewable Energy 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, Existence of international donor involvement in RE projects, etc.

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

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
	1. GABON¹⁵⁸
Renewable Energy (RE) mix dynamics/ Level of deployment of clean energy technologies/ Existence of	Owendo Mineral Port (OMP) is committed to a low-emission economy. A 1.56 MWp solar system will soon be installed on the port's premises, located 21 kilometers from Gabon's capital, Libreville. The project is financed by British International Investment (BII), a British financial institution.

¹⁵⁸ <https://www.afrik21.africa/en/gabon-bii-releases-2-6-million-for-solarization-of-owendo-mineral-port/>

<p>international donor involvement.</p>	<p>This development will increase energy access, advance the deployment of renewable energy technology and showcases the existence of international donor involvement in RE projects in Gabon.</p>
<p>2. GHANA¹⁵⁹</p>	
<p>Level of deployment of clean energy technologies,</p>	<p>Kumasi's largest rooftop solar power plant goes into operation. With a capacity of 4.3 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</p> <p>This development showcases the level of deployment of clean technology and RE energy mix in Ghana.</p>
<p>3. MOZAMBIQUE¹⁶⁰</p>	
<p>Level of deployment of clean energy technologies/ RE mix dynamics</p>	<p>A solar PV plant is to be built in Mozambique and is aimed at providing electricity to over 150,000 and create more than 1500 jobs during the construction phase. Once completed 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.</p> <p>This development advances energy access and showcases the level of deployment of clean technology in Mozambique.</p>

¹⁵⁹ <https://www.afrik21.africa/en/ghana-in-kumasi-steelmaker-rider-goes-green-with-rooftop-solar-power/>

¹⁶⁰ <https://www.esi-africa.com/renewable-energy/solar/mozambique-solar-pv-plant-to-close-energy-access-gap/>

	4. AFRICA¹⁶¹
Existence of international donor involvement in RE projects	<p>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 countries were able to deploy 3,745 MWp of photovoltaic solar power. Africa has made significant progress compared to 2022, with an increase of 19%.</p> <p>This development showcases the existence of RE mix dynamics and deployment of clean technology in Africa.</p>

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¹⁶¹ <https://www.afrik21.africa/en/solar-energy-driven-by-south-africa-the-continent-deployed-3-7-gw-in-2023/>

AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

1. Ivory Coast
2. Namibia
3. Sao Tome & Principe
4. Africa in general



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, particularly focusing on Renewable Energy 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, Existence of international donor involvement in RE projects, etc.

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 COAST¹⁶²	
Renewable Energy (RE) mix dynamics/ Level of	Abidjan-based PFO Africa is entering into a new concession agreement with the Ivorian government. The deal enables the construction of a 52 MW photovoltaic solar power plant in Sokhoro, Ferkessédougou division, starting in the second quarter of 2024 and

¹⁶² <https://theelectricityhub.com/pfo-africa-secures-52mw-solar-power-plant-in-ivory-coast/>

<p>deployment of clean energy technologies</p>	<p>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.</p> <p>This development will increase energy access, and advances the deployment of renewable energy technology in Ivory Coast.</p>
<p>2. NAMIBIA¹⁶³</p>	
<p>Level of deployment of clean energy technologies/RE mix dynamics.</p>	<p>A \$10.6 million solar plant is being constructed on Maxwell Farm in North Central Namibia. It will generate approximately 26,360MWh of clean energy per year. The power plant is set to be operational by the end of 2024 and the energy will be injected into NamPower’s brand new Eldorado substation.</p> <p>This development showcases the level of deployment of clean technology and RE energy mix in Namibia.</p>
<p>3. SAO TOME AND PRINCIPE¹⁶⁴</p>	
<p>Legal provisions for combating climate change</p>	<p>Sao Tome and Principe has entered into a new Country Partnership Framework with the 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.</p> <p>This development showcases legal provisions for combating climate change in Sao Tome & Principe.</p>

¹⁶³ <https://www.esi-africa.com/renewable-energy/namibia-wheeling-project-to-provide-gold-mine-with-clean-energy/>

¹⁶⁴ <https://www.esi-africa.com/central-africa/sao-tome-principe-framework-to-support-energy-transport-and-climate/>

	4. AFRICA¹⁶⁵
Existence of international donor involvement in RE projects	<p>The UK guarantees two African Development Bank (AfDB) loans of \$239 million for Mauritius and Benin. As part of a climate financing program, this support will enable the construction of energy and sanitation infrastructure in the two countries. This will 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.</p> <p>This development showcases the existence of international donor involvement in RE projects in Africa.</p>

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¹⁶⁵ <https://www.afrik21.africa/en/climate-finance-london-guarantees-239-million-from-the-afdb-for-benin-and-mauritius/>

AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

1. South Africa
2. Mauritius
3. Zimbabwe
4. Africa in general



AFRICA ENERGY TRANSITION WATCH

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

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
	1. SOUTH AFRICA¹⁶⁶
Renewable Energy (RE) mix dynamics/ Level of deployment of clean energy technologies	SoSimple 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.

¹⁶⁶ <https://www.esi-africa.com/renewable-energy/solar/tracking-solar-plus-storage-sosimple-energy-project-at-mdluli-safari-lodge/>

	This development will increase energy access, and advances the deployment of renewable energy technology in South Africa.
2. MAURITIUS¹⁶⁷	
Level of deployment of clean energy technologies	<p>The Central Electricity Board (CEB) has made strides in scaling up the deployment of 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.</p> <p>This development showcases the level of deployment of clean technology in Mauritius.</p>
3. ZIMBABWE¹⁶⁸	
Level of deployment of clean energy technologies/RE mix dynamics.	<p>The construction of a 5MW mini hydropower plant at Lake Mutirikwi in Masvingo, Zimbabwe is to be completed at the end of April 2024. The project is one of the many flagship ventures that has pivoted Masvingo towards self-sustainability in clean energy while providing work for more than 150 unskilled workers from surrounding communities.</p> <p>This development showcases the level of deployment of clean technology and RE mix dynamics in Zimbabwe.</p>
4. AFRICA¹⁶⁹	

¹⁶⁷ <https://www.esi-africa.com/renewable-energy/solar/mauritius-electricity-bills-drop-as-rooftop-solar-pv-is-installed/>

¹⁶⁸ <https://www.esi-africa.com/industry-sectors/generation/zimbabwe-mini-hydropower-plant-nears-completion-despite-delays/>

¹⁶⁹ <https://theelectricityhub.com/opec-funds-55-renewable-energy-projects-with-1-7bn-in-africa-others/>

<p>Existence of international donor involvement in RE projects</p>	<p>Several renewable energy projects in Africa have benefitted from the \$1.7 billion financing from the Organization of Petroleum Exporting Countries (OPEC) Fund for International Development which includes a \$25 million solar plant in Niger. The OPEC 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.</p> <p>This development showcases the existence of international donor involvement in RE projects in Africa.</p>
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AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

1. Sierra Leone
2. South Africa
3. DRC
4. Africa in general



AFRICA ENERGY TRANSITION WATCH

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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 Indicator(s)	Energy Transition Development(s) across Africa
1. SIERRA LEONE¹⁷⁰	
Renewable Energy (RE) mix dynamics/ Level of deployment of clean energy technologies	Sierra Leone's mining industry is committed to decarbonization, CrossBoundary Energy (CBE) has signed a 20-year power purchase agreement (PPA) with mining company FG Gold, based in the capital Freetown, to supply clean energy to the future Baomahun gold mine. As part of this partnership, CBE will build a hybrid power plant to power gold

¹⁷⁰ <https://www.afrik21.africa/en/decarbonization-sierra-leones-largest-pv-park-to-power-baomahun-mine/>

	<p>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 CO₂ 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.</p> <p>This development will increase energy access, renewable energy mix and advances the deployment of renewable energy technology in Sierra Leone.</p>
2. SOUTH AFRICA¹⁷¹	
RE Mix Dynamics/Level of deployment of clean energy technologies	<p>Boston Hydro, a 5MW run off river power plant located on the Ash River started construction late 2023 and is scheduled to begin commercial operation in July 2025. 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.</p> <p>This development showcases an increase in renewable energy mix dynamics and the level of deployment of clean technology in South Africa.</p>
3. DEMOCRATIC REPUBLIC OF CONGO¹⁷²	
Level of deployment of clean energy technologies/RE mix dynamics.	<p>In the Democratic Republic of Congo (DRC), an engineering, procurement and construction solar company has completed and commissioned a 120kWh hybrid solar mini grid project. The system involves a distribution line for 350 users and has a ground mounted battery energy storage capacity of 225kWh.</p>

¹⁷¹ <https://www.esi-africa.com/renewable-energy/sa-5mw-hydropower-plant-reaches-financial-close-ahead-of-wheeling-goal/>

¹⁷² <https://www.esi-africa.com/renewable-energy/solar/hybrid-mini-grid-provides-reliable-off-grid-energy-for-community-in-drc/>

	<p>This development showcases the level of deployment of clean technology and RE mix dynamics in DRC.</p>
<p>4. AFRICA¹⁷³</p>	
<p>Existence of international donor involvement in RE projects</p>	<p>As part of a regional program, the World Bank is providing a \$300 million credit facility to the Trade and Development Bank (TDB). This initiative finances access to renewable energies, including clean cooking, in Eastern and Southern Africa. The \$300 million in 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.</p> <p>This development showcases the existence of international donor involvement in RE projects in Africa.</p>

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¹⁷³ <https://www.afrik21.africa/en/clean-energy-who-will-benefit-from-the-300m-ida-loan-in-east-africa/>

AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

1. South Africa
2. Kenya
3. Nigeria
4. Africa in general



AFRICA ENERGY TRANSITION WATCH

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On this week's African Energy Transition Watch are **South Africa, Kenya, Nigeria and Africa in general.**

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. SOUTH AFRICA¹⁷⁴	
Renewable Energy (RE) mix dynamics/ Level of deployment of clean energy technologies	A first of its kind solar micro grid project is set to be completed in one of South Africa's oldest township. The 1MVA solar grid will provide electricity to about 500 households in Alexandra in the north of Johannesburg. Close to 80 people from the area were hired to work on the project and about 12 SMEs were also involved in the development of the project.

¹⁷⁴ <https://www.esi-africa.com/renewable-energy/solar-energy-to-power-homes-in-electricity-starved-sa-township/>

	This development will increase energy access, renewable energy mix and advances the deployment of renewable energy technology in South Africa.
2. KENYA¹⁷⁵	
RE Mix Dynamics/Level of deployment of clean energy technologies	<p>The Lake Turkana Wind Farm is a flagship project currently in operation, and equipped with 365 wind turbines supplied and installed by Danish giant Vestas. The 310 MW facility 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.</p> <p>This development showcases an increase in renewable energy mix dynamics and the level of deployment of clean technology in Kenya.</p>
3. NIGERIA¹⁷⁶	
Level of deployment of clean energy technologies.	<p>A Nigerian automaker specialised in solar powered tricycles has partnered with a US not 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.</p> <p>This development showcases the level of deployment of clean technology Nigeria.</p>
4. AFRICA¹⁷⁷	

¹⁷⁵ <https://www.afrik21.africa/en/kenya-american-blackrock-invests-in-310-mw-lake-turkana-wind-farm/>

¹⁷⁶ <https://www.esi-africa.com/news/nigeria-partnership-to-build-tricycles-powered-by-solar-energy-and-green-batteries/>

¹⁷⁷ <https://www.afrik21.africa/en/africa-in-face-of-climate-change-afdb-invests-15m-to-stimulate-clean-technologies/>

<p>Level of deployment of clean energy technologies.</p>	<p>Through its Clean Technology Fund (CTF), the AfDB has injected \$15 million into the 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</p> <p>This development showcases the level of deployment of clean technology in Africa.</p>
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AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

1. Egypt
2. Tanzania
3. South Africa
4. Lesotho



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 Indicator(s)	Energy Transition Development(s) across Africa
1. EGYPT¹⁷⁸	
Renewable Energy (RE) mix dynamics/ Level of deployment of clean energy technologies	A 1GW solar energy plant will be built to provide electricity to one of Egypt’s oldest aluminium-producing factory. The plant has the capacity to generate renewable energy for the factory in the framework of the comprehensive and integrated development project.

¹⁷⁸ <https://www.esi-africa.com/renewable-energy/egypt-solar-plant-to-be-built-for-largest-aluminium-producer/>

	This development will increase energy access, renewable energy mix and advances the deployment of renewable energy technology in Egypt.
2. TANZANIA¹⁷⁹	
RE Mix Dynamics/Level of deployment of clean energy technologies	<p>Julius Nyerere Hydropower Project in Tanzania has been officially launched with an initial supply of 235MW injected into the national grid. The project will reduce power cuts in the country by 85% and be an energy boon to East Africa.</p> <p>This development showcases an increase in renewable energy mix dynamics and the level of deployment of clean technology in Tanzania.</p>
3. SOUTH AFRICA¹⁸⁰	
Level of deployment of clean energy technologies./ RE Mix Dynamics	<p>Six independent power producers will develop a solar PV power station in Gauteng which is expected to generate 800 MW to be supplied to the electricity grid. The solar farm will spread across 1500 ha of land made available by SibanyeStillwater</p> <p>This development showcases RE mix dynamics and the level of deployment of clean energy technology South Africa.</p>
4. LESOTHO¹⁸¹	

¹⁷⁹ <https://www.esi-africa.com/renewable-energy/tanzania-hydropower-plant-launch-a-boost-for-regions-energy-supply/>

¹⁸⁰ <https://www.esi-africa.com/renewable-energy/ipps-to-drive-solar-energy-project-in-gauteng-to-combat-loadshedding/>

¹⁸¹ <https://www.afrik21.africa/en/renewable-energies-after-tanzania-astra-wants-to-develop-100-mw-in-lesotho/>

<p>Level of deployment of clean energy technologies/ RE Mix Dynamics</p>	<p>Independent Power Producer (IPP) Astra Energy has entered into a partnership with the 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</p> <p>This development showcases the level of deployment of clean technologies and RE mix dynamics in Lesotho.</p>
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AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

1. Sierra Leone
2. South Africa
3. Namibia
4. Togo



AFRICA ENERGY TRANSITION WATCH

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

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. SIERRA LEONE¹⁸²	
Renewable Energy (RE) mix dynamics/ Level of deployment of clean energy technologies	5 healthcare facilities in the health management teams of Sierra Leone have been equipped with 15kVa solar systems. They were installed in February 2024 with the aim of reducing carbon emissions and provide secure power a stable power supply for health care facilities in the eastern and northern provinces. Each system has a roof mounted

¹⁸²<https://www.esi-africa.com/renewable-energy/sierra-leone-solar-brings-life-saving-energy-security-to-health-facilities/>

	<p>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.</p> <p>This development will increase energy access, renewable energy mix and advances the deployment of renewable energy technology in Sierra Leone.</p>
2. SOUTH AFRICA¹⁸³	
RE Mix Dynamics/Level of deployment of clean energy technologies	<p>Three wind and solar projects in South Africa are underway to provide energy to many AngloAmerican mines in the country. This includes the Umsobomvu Wind Project (140MW), Hertbeesthoek Wind Project (140MW) and the Mooi Plaats Solar Project (240MW). All projects are to reach commercial operations during 2026</p> <p>This development showcases an increase in renewable energy mix dynamics and the level of deployment of clean technology in South Africa.</p>
3. NAMIBIA¹⁸⁴	
Existence of international donor involvement in RE projects.	<p>The US Agency for International Development (USAID) has announced a \$1-million grant to Namibia Hydrogen Fund Managers. This grant aims to support the sustainable 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.</p> <p>This development showcases the existence of international donor involvement in RE projects in Namibia.</p>

¹⁸³ <https://www.esi-africa.com/renewable-energy/financing-completed-on-anglo-american-wind-and-solar-energy-projects/>

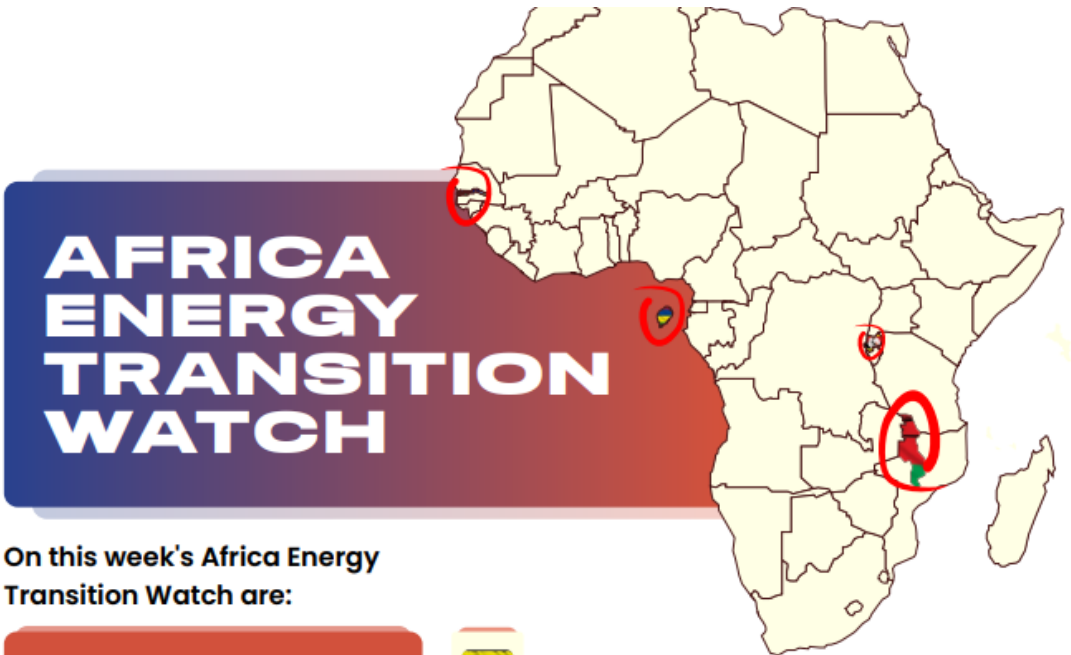
¹⁸⁴ <https://theelectricityhub.com/usaids-commits-1-million-grant-to-namibian-hydrogen/>

4. TOGO¹⁸⁵	
Level of deployment of clean energy technologies.	<p>The French company Sunna Design has installed 30,000 solar streetlights in rural areas, mainly in the Savanes and Kara regions. The work was carried out as part of the PEP'S 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.</p> <p>This development showcases the level of deployment of clean energy technologies in Togo.</p>

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¹⁸⁵ <https://www.afrik21.africa/en/public-lighting-sunna-successfully-installs-30000-solar-streetlights-in-togo/>



On this week's Africa Energy Transition Watch are:

- 1. Uganda
- 2. Gambia
- 3. Malawi
- 4. Mauritius



AFRICA ENERGY TRANSITION WATCH

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

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. UGANDA¹⁸⁶	
Renewable Energy (RE) mix dynamics/ Level of deployment of clean energy technologies	Xsabo Group's state-of-the-art Nkonge Solar Plant will add 20 megawatts (MW) to Uganda's national grid, marking a significant leap in the country's renewable energy capacity. The project, valued at Shs 82.6 billion, is located in Kabulasoke at the Nkonge 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.

¹⁸⁶ <https://theelectricityhub.com/xsabos-nkonge-20mw-solar-plant-to-boost-national-grid/>

	<p>The addition contributes to the nation’s goal of achieving a sustainable and diversified energy mix</p> <p>This development will increase energy access, renewable energy mix and advances the deployment of renewable energy technology in Uganda.</p>
2. GAMBIA¹⁸⁷	
RE Mix Dynamics/Level of deployment of clean energy technologies	<p>Through the Ministry of Petroleum and Energy and National Water and Electricity Company (NAWEC) , the government of The Gambia has inaugurated a 23MW solar PV 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.</p> <p>This development showcases an increase in renewable energy mix dynamics and the level of deployment of clean technology in Gambia.</p>
3. MALAWI¹⁸⁸	
Level of deployment of clean energy technologies.	<p>Three project sites have been built in Malawi. featuring 10 greenhouses built among 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.</p>

¹⁸⁷ <https://www.esi-africa.com/renewable-energy/solar/a-landmark-solar-pv-plant-has-been-inaugurated-in-the-gambia/>

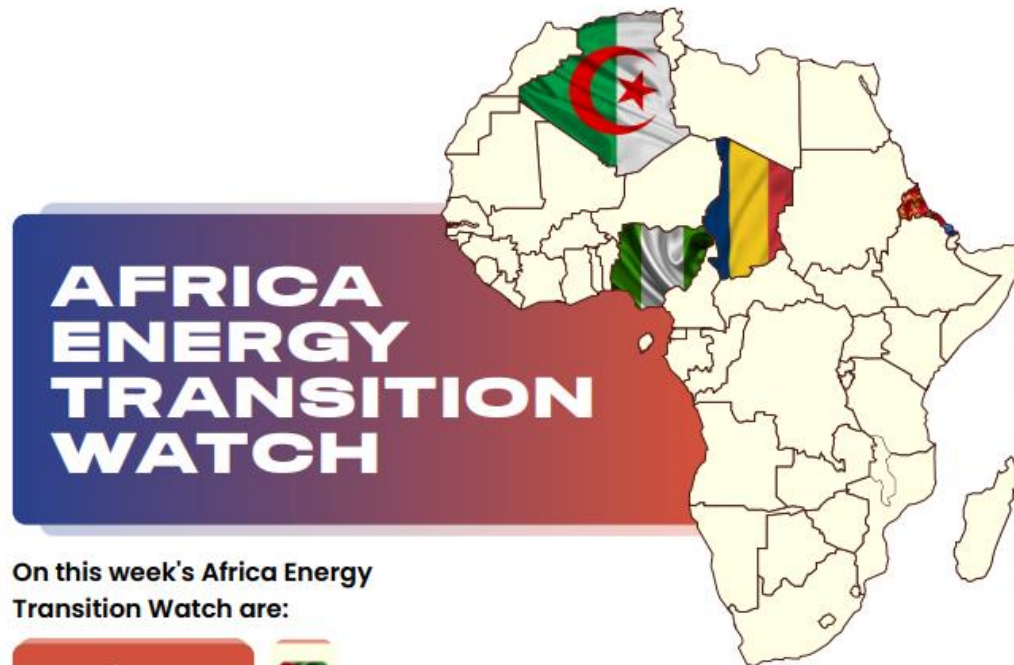
¹⁸⁸ <https://www.esi-africa.com/women-in-energy/malawi-10-greenhouses-with-solar-facilities-built-for-women-farmers/>

	<p>This development will increase deployment of renewable energy technology in Malawi.</p>
<p>4. MAURITIUS¹⁸⁹</p>	
<p>Level of deployment of clean energy technologies.</p>	<p>The Arsenal solar power plant was recently inaugurated in Mauritius. The 14 MWp plant was developed by the French company GreenYellow. The energy infrastructure will add 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.</p> <p>This development showcases the level of deployment of clean energy technologies and renewable energy in the energy mix in Mauritius.</p>

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¹⁸⁹ <https://www.afrik21.africa/en/mauritius-frances-greenyellow-inaugurates-its-arsenal-solar-power-plant-14-mwp/>



**On this week's Africa Energy
Transition Watch are:**

1. Eritrea
2. Algeria
3. Chad
4. Nigeria



AFRICA ENERGY TRANSITION WATCH

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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. ERITREA¹⁹⁰	
Renewable Energy (RE) mix dynamics/ Level of deployment of clean energy technologies	<p>A project developer from China has been selected to construct the first Solar PV energy storage plant in Eritrea. The project will be made up of a 30ME solar PV power station and a 15MW/30MWh energy storage system.</p> <p>It is expected to contribute to the increasing generating capacity by 185MW and grid energy to 365GW a year.</p>

¹⁹⁰ <https://www.esi-africa.com/industry-sectors/generation/first-solar-energy-and-storage-system-gets-off-the-ground-in-eritrea/>

	This development will increase energy access, renewable energy mix and advances the deployment of renewable energy technology in Eritrea.
2. ALGERIA¹⁹¹	
RE Mix Dynamics/Level of deployment of clean energy technologies	<p>Algeria's National Electricity and Gas company (Sonelgaz), through its subsidiary Sonelgaz-EnR, has just signed concession agreements with several local and transnational companies for the financing, construction and operation of 3,000 MW of photovoltaic solar energy.</p> <p>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.</p> <p>This development showcases an increase in renewable energy mix dynamics and the level of deployment of clean technology in Algeria.</p>
3. CHAD¹⁹²	
Level of deployment of clean energy technologies.	<p>Paras Energy and Natural Resources Development Limited, one of Nigeria's leading power solutions providers, recently developed a rooftop-based Solar photovoltaic (PV) Plant at Moundou, Republic of Chad, for Solen Renewable Energy DMCC, Dubai.</p> <p>The project, commissioned on an Engineering, Procurement & Construction (EPC) basis, has a total project capacity of 560KWp spanning three roof sheds.</p>

¹⁹¹ <https://www.afrik21.africa/en/development-of-solar-energy-a-new-turning-point-for-algeria/>

¹⁹² <https://theelectricityhub.com/paras-energy-develops-solar-pv-plan-in-chad/>

	<p>This development showcases an increase in deployment of renewable energy technology in Chad.</p>
<p>4. NIGERIA¹⁹³</p>	
<p>Level of deployment of clean energy technologies.</p>	<p>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.</p> <p>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.</p> <p>This development showcases the level of deployment of clean energy technologies and renewable energy in the energy mix in Nigeria.</p>

¹⁹³ <https://theelectricityhub.com/nigeria-unveils-20-mw-solar-power-plant-project-in-shiroro/>

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AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

1. Botswana
2. Liberia
3. South Africa
4. Nigeria



AFRICA ENERGY TRANSITION WATCH

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

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
9. BOTSWANA¹⁹⁴	
Renewable Energy (RE) mix dynamics/ Level of deployment of clean energy technologies	Botswana witnessed a historic moment as the groundbreaking ceremony for the Mmadinare Solar Cluster marked the debut of the first utility solar PV facility in the country. This project, led by Scatec, represents a major step towards renewable energy development in Botswana, with the construction of a 120-MW solar complex. The event,

¹⁹⁴ <https://solarquarter.com/2024/03/28/scatec-asa-breaks-ground-with-botswanas-first-utility-solar-pv-facility/>

	<p>attended by dignitaries and community members, signifies Botswana's commitment to expanding its renewable energy capacity and potentially exporting power in the future.</p> <p>This development will increase energy access, renewable energy mix and advances the deployment of renewable energy technology in Botswana.</p>
10. LIBERIA¹⁹⁵	
RE Mix Dynamics/Level of deployment of clean energy technologies	<p>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.</p> <p>This development showcases an increase in renewable energy mix dynamics and the level of deployment of clean technology in Liberia</p>
11. SOUTH AFRICA¹⁹⁶	
Level of deployment of clean energy technologies.	<p>Energea Expands Solarize South Africa Portfolio with Three New Projects. The new projects aim to address South Africa's challenges of a highly polluting and unreliable energy grid. These projects are:</p> <ul style="list-style-type: none"> • 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.

¹⁹⁵ <https://africa-energy-portal.org/news/liberia-us96-million-solar-farm-boost-electricity-here>

¹⁹⁶ <https://solarquarter.com/2024/03/28/energea-expands-solarize-south-africa-portfolio-with-three-new-projects/>

	<ul style="list-style-type: none"> • Bosmansdam High School: Bosmansdam High School in Cape Town hosts a 77.76 kW (DC) rooftop solar installation with battery backup <p>This development showcases an increase in deployment of renewable energy technology in South Africa.</p>
12. NIGERIA¹⁹⁷	
<p>Level of deployment of clean energy technologies.</p>	<p>The Climate Innovation Fund of US IT giant Microsoft and Climate Fund Managers (CFM) are investing \$18 million in Konexa, a renewable energy trader based in London, UK. This investment 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 funds that have attracted two investors.</p> <p>In practical terms, Konexa will be providing an alternative to diesel-powered generators. The company, headed by Pradeep Pursnani, will purchase electricity produced by the 30 MW Gurara hydroelectric power station on the Gurara River. TThis energy infrastructure is operated by the Nigerian company North South Power Company.</p> <p>This development showcases the level of deployment of clean energy technologies and renewable energy in the energy mix in Nigeria.</p>

¹⁹⁷<https://africa-energy-portal.org/news/nigeria-cfm-and-microsoft-invest-18m-clean-energy-trading>

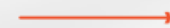
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AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

1. South Africa
2. Ivory Coast
3. Gambia
4. Angola
5. Nigeria.



AFRICA ENERGY TRANSITION WATCH

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

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. SOUTH AFRICA¹⁹⁸	
Renewable Energy (RE) mix dynamics/ Level of deployment of clean energy technologies	German wind turbine manufacturer Nordex has announced that it has won a new 336 MW order in South Africa. As part of its new contract, the Hamburg-based group will install 57 of its Delta4000 series N163/5.X turbines in the Western Cape province of South 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

¹⁹⁸<https://www.afrik21.africa/en/south-africa-nordex-bounces-back-with-a-new-336-mw-wind-turbine-order/>

	<p>a capacity of 112.1 MW. The three wind farms will be an important step in reducing South Africa’s dependence on fossil fuels and increasing the share of renewable energies in the country’s energy mix</p> <p>This development will increase energy access, renewable energy mix and advances the deployment of renewable energy technology in South Africa.</p>
2. IVORY COAST¹⁹⁹	
Level of deployment of clean energy technologies	<p>In Ivory Coast, French oil and gas giant TotalEnergies is entering into a new partnership with Canadian mining operator Fortuna Silver. The aim is to equip the new Séguéla gold mine with a 6 MWp photovoltaic solar power plant. The solar power plant could generate up to 11.7 GWh of electricity per year, enough to meet 30% of the energy needs of the Séguéla mine, located 500 km north of the economic capital Abidjan</p> <p>This development showcases an increase in the level of deployment of clean technology in Ivory Coast.</p>
3. GAMBIA²⁰⁰	
Renewable Energy (RE) mix dynamics/ Level of deployment of clean energy technologies.	<p>The Gambian government has just inaugurated its first large-scale solar energy production facility. Located in Jambur, the plant, financed by the European Union (EU) and the World Bank, has a capacity of 23 MWp with an 8 MWh electricity storage system. The project will significantly reduce Gambia’s dependence on imported fossil fuels for electricity generation. The project also aims to accelerate the country’s transition to a 50% supply of electricity from renewable energy sources by 2030.</p>

¹⁹⁹<https://www.afrik21.africa/en/ivory-coast-totalenergies-to-connect-the-seguela-gold-mine-to-solar-power/>

²⁰⁰<https://www.afrik21.africa/en/with-the-support-of-the-eu-gambia-embarks-on-large-scale-solar-energy-production/>

	<p>This development showcases an increase in renewable energy mix and advances the deployment of renewable energy technology in Gambia.</p>
<p>4. ANGOLA²⁰¹</p>	
<p>Renewable Energy (RE) mix dynamics/ Level of deployment of clean energy technologies</p>	<p>The Angola government has opened the 26.14-MW Saurimo solar park project in the Lunda Sul province, east of Angola. The Saurimo solar park will have 44,850 solar panels to generate enough clean electricity to meet the demand of around 171,000 people. When the park is operational, it will contribute to the country reducing diesel consumption by around 1.4 million litres.</p> <p>This development showcases the increase in level of deployment of clean energy technologies and renewable energy in the energy mix in Angola.</p>
<p>5. NIGERIA²⁰²</p>	
<p>Existence of international donor involvement in RE projects/ Level of deployment of clean energy technologies</p>	<p>The European Investment Bank (EIB) has approved a \$20 million loan for electrification via community mini-grids powered by solar photovoltaic energy, as part of a Series D fund-raising operation organised by Husk Power. Thanks to this financing, thousands of homes and businesses will benefit from more reliable access to solar energy and battery storage, avoiding the need for more expensive diesel generators. In addition to electrification, Husk plans to install rooftop solar panels for commercial and industrial (C&I) customers, expand sales of appliances to households and small businesses, and introduce value-added services such as agri-food and e-mobility.</p>

²⁰¹<https://theelectricityhub.com/angola-government-opens-a-26-mw-solar-park-project/>

²⁰²<https://www.afrik21.africa/en/nigeria-eib-commits-20m-for-electrification-via-solar-mini-grids/>

	This development showcases the existence of international donor involvement in RE projects and increase in the level of deployment of clean energy technologies in Nigeria.
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AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

1. Ivory Coast
2. Nigeria
3. South Africa
4. Kenya



AFRICA ENERGY TRANSITION WATCH

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

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. IVORY COAST²⁰³	
Renewable Energy (RE) mix dynamics/ Level of deployment of clean energy technologies	Ivory Coast celebrated the inauguration of the Boundiali solar plant. Prime Minister Mambé led the ceremony on April 3, 2024. The plant covers 36 hectares and has a capacity of 37.5 MWp. Eiffage Énergie Systèmes builds Saft and enhances it with the storage system. The plant powers 70,000 homes and reduces CO2 emissions by 60,000 tonnes yearly.

²⁰³ <https://theelectricityhub.com/ivory-coast-unveils-boundiali-solar-plant/>

	<p>The government aims to diversify the energy mix and increase the renewable share to 45 per cent by 2030. The second phase involves boosting capacity to 83 MWp, which will require an investment of 76.5 million euros.</p> <p>This development will increase energy access, renewable energy mix and advances the deployment of renewable energy technology in Ivory Coast.</p>
<p>2. NIGERIA²⁰⁴</p>	
<p>Level of deployment of clean energy technologies</p>	<p>Nineteen clean energy developers in Nigeria are to install high capacity solar energy and solar battery storage systems to businesses and institutions across the West African country. These systems are expected to be fully operational before the end of the year. So far, 1600 systems have been installed serving more than 1,200 businesses and institutions such as health and educational facilities.</p> <p>This development showcases an increase in the level of deployment of clean technology in Nigeria.</p>
<p>3. SOUTH AFRICA²⁰⁵</p>	
<p>Renewable Energy (RE) mix dynamics/ Level of deployment of clean energy technologies.</p>	<p>As South Africa speeds up its energy transition, a coal producer, Seriti Resources is looking to decarbonise its mining facilities in Mpumalanga province with a 155 MW wind farm. The Ummbila Emoyeni wind farm will reduce carbon dioxide (CO₂) emissions by 5.1 megatonnes per year. Seriti Green will continue to develop its wind farms in South Africa by installing 84 MW near the small town of Bedford, in the local municipality of Nxuba, in the Eastern Cape province.</p>

²⁰⁴<https://www.esi-africa.com/renewable-energy/nigeria-seforall-project-to-roll-out-more-solar-energy-systems/>

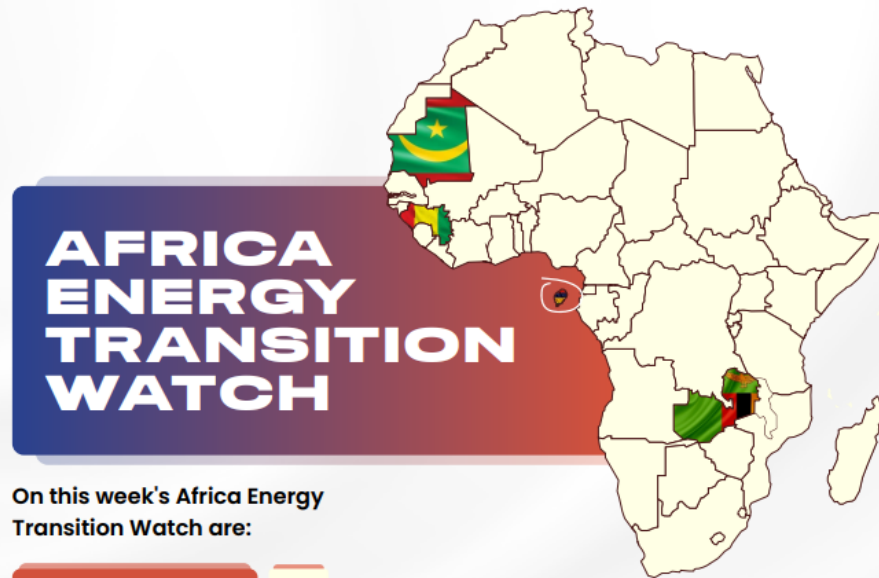
²⁰⁵<https://www.afrik21.africa/en/in-the-heart-of-south-africas-coal-industry-243m-is-invested-in-a-155-mw-wind-farm/>

	This development showcases an increase in renewable energy mix and advances the deployment of renewable energy technology in South Africa.
4. KENYA²⁰⁶	
Renewable Energy (RE) mix dynamics/ Level of deployment of clean energy technologies	<p>Nairobi, Kenya-based solar-powered irrigation systems provider SunCulture is attracting more and more investors. This is thanks to a new \$12 million financing package released on 2 April 2024 by InfraCo Africa, an investment company of the Private Infrastructure Development Group (PIDG). This will enable hundreds of thousands of smallholder farmers to access Internet of Things (IoT)-enabled solar irrigation systems by 2030 in Africa.</p> <p>This development showcases the existence of donor involvement in RE projects in Kenya.</p>

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²⁰⁶<https://www.afrik21.africa/en/kenya-12m-from-infraco-to-develop-suncultures-solar-irrigation-offering/>



On this week's Africa Energy
Transition Watch are:

1. Mauritius
2. Mauritania
3. Guinea
4. Zambia



AFRICA ENERGY TRANSITION WATCH

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On this week's African Energy Transition Watch are **Mauritius, Mauritania, Guinea, and Zambia.**

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. MAURITIUS²⁰⁷	
Level of deployment of clean energy technologies	With 96% of rural households in Malawi still without access to electricity, a partnership could improve the situation. It involves start-ups Green Impact Technologies (GIT) and Amped Innovation, which will be deploying 15,000 solar home systems over the coming

²⁰⁷<https://www.afrik21.africa/en/malawi-start-ups-git-and-amped-innovation-to-electrify-15000-rural-households/>

	<p>months. This mechanism is financed by the World Bank with a view to providing emergency access to energy and developing the off-grid solar energy market in Malawi.</p> <p>This development will increase energy access, and advances the deployment of renewable energy technology in Malawi.</p>
2. MAURITANIA²⁰⁸	
Level of deployment of clean energy technologies	<p>Nouakchott is setting an example for other Mauritanian cities in terms of energy efficiency by installing 500 solar-powered streetlights in the main thoroughfares of Toujounine. The 500 streetlights powered by photovoltaic solar energy should not only enable local authorities to save up to 30% on their electricity bills for public lighting, but also reduce the region's carbon footprint.</p> <p>This development showcases an increase in the level of deployment of clean technology in Mauritania.</p>
3. GUINEA²⁰⁹	
Renewable Energy (RE) mix dynamics/ Level of deployment	<p>Two towns in Guinea, a country in West Africa which grapples with issues of energy security are reaping the benefits of newly installed solar PV mini grids backed with battery energy storage. A solar focused EPC company designed, supplied, installed and</p>

²⁰⁸<https://www.afrik21.africa/en/mauritania-street-lighting-goes-green-with-500-solar-street-lamps/>

²⁰⁹<https://www.esi-africa.com/renewable-energy/two-towns-in-guinea-benefit-from-battery-backed-solar-pv-mini-grids/>

<p>of clean energy technologies.</p>	<p>commissioned the two (2) mini-grids of 103.4 kwp and 21,45kwp with a battery bank storage of 192kwh and 33.6kwh respectively.</p> <p>This development showcases an increase in renewable energy mix and advances the deployment of renewable energy technology in Guinea.</p>
<p>4. ZAMBIA²¹⁰</p>	
<p>Renewable Energy (RE) mix dynamics/ Level of deployment of clean energy technologies</p>	<p>Zambia has recently commissioned a 60MW solar plant in Kitwe, which comes at a critical time as Zambia faces a severe power shortage, posing threats to energy and food security. The investment is a significant milestone in achieving diversification within the energy sector with the potential to mitigate the current energy deficit in the country.</p> <p>This development showcases the increase in level of deployment of clean energy technologies and RE energy mix in Zambia.</p>

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²¹⁰<https://www.esi-africa.com/renewable-energy/solar/new-60mw-solar-plant-commissioned-in-zambia/>

AFRICA ENERGY TRANSITION WATCH



On this week's Africa Energy
Transition Watch are:

1. Togo
2. Nigeria
3. Ivory Coast
4. Africa



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, particularly focusing on Renewable Energy 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, Existence of international donor involvement in RE projects, etc.

On this week's African Energy Transition Watch are **Togo, Nigeria, Ivory Coast and Africa.**

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
	1. TOGO²¹¹
Level of deployment of clean energy technologies	As part of the Regional Urgent Intervention Project in the Solar Energy Sector (RESPITE), a photovoltaic solar power plant is to be built in Dapaong in northern Togo. The plant will be backed up by a 40 MWh battery electricity storage system. The solar park will provide electricity to at least 60 localities in the Savanes region.

²¹¹<https://www.afrik21.africa/en/togo-an-invitation-to-tender-epc-for-a-25-mwp-solar-farm-with-storage/>

	This development will increase energy access and advances the deployment of renewable energy technology in Togo.
2. NIGERIA²¹²	
Level of deployment of clean energy technologies	<p>Two non-governmental organisations (NGOs), the Akomolafe Foundation (AF) and the Governance Advancement Initiative of Nigeria (GAIN), have donated and installed a solar energy system at the Makers and Leaders Hub (MALhub), a technology hub in Ilorin, Kwara State. The project will address the persistent challenge of erratic power supply hindering technological advancement in the region.</p> <p>This development showcases an increase in the level of deployment of clean technology in Nigeria.</p>
3. IVORY COAST²¹³	
Renewable Energy (RE) mix dynamics/ Level of deployment of clean energy technologies.	<p>The Ivory Coast is set to begin construction of the \$63.5 million Ferke Solar power plant in Sokoro, which will have an installed capacity of 52 MW. The project will commence in the second quarter of 2024 and is expected to be operational by the third quarter of 2025. The initiative aligns with a broader policy aimed at integrating renewable energy into the national power sector. This endeavor seeks not only to achieve nationwide electrification, currently at 94%, but also to expedite the energy transition to meet climate goals.</p>

²¹² <https://theelectricityhub.com/ngos-install-solar-system-in-kwara/>

²¹³ <https://energycapitalpower.com/ivory-coast-renewable-energy-solar-power/>

		This development will showcase an increase in renewable energy mix and advance the deployment of renewable energy technology in Ivory Coast.
		4. AFRICA²¹⁴
Existence of International Donor Development		<p>The World Bank and International Monetary Fund in Washington, emerges to electrify 300 million Africans within six years. This commits the World Bank to invest \$30 billion by 2030 to reach at least 250 million Africans. The World Bank’s investment is expected to leverage an additional \$9 billion in private-sector financing, especially in renewable energy projects.</p> <p>This development showcases the existence of international donor development in RE projects in Africa.</p>

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²¹⁴ <https://theelectricityhub.com/afdb-and-world-bank-partner-to-electrify-300-million-africans/>



AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

1. Ghana
2. Nigeria
3. Ivory Coast



AFRICA ENERGY TRANSITION WATCH

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On this week's African Energy Transition Watch are **Ghana, Nigeria and Ivory Coast**.

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. GHANA²¹⁵	
Level of deployment of clean energy technologies	Ghanaian President Nana Addo Dankwa Akufo-Addo inaugurated the second phase of the solar power plant project in Kaleo, Upper West Region. The plant, with a capacity of 15 megawatts (MWp), was implemented by Elecnor S.A. from Spain, with consultancy from Tractebel Engineering from Germany and funding from the German Development Bank. In his

²¹⁵ <https://theelectricityhub.com/ghana-commissions-15mw-power-plant/>

	<p>address, President Akufo-Addo highlighted the government's commitment to diversify energy generation and increase Ghana's capacity, noting that the first and second phases together will provide around 28MW of power at no extra cost.</p> <p>This development will increase energy access, and advances the deployment of clean energy technology in Ghana.</p>
2. NIGERIA²¹⁶	
Level of deployment of clean energy technologies	<p>Nigeria is taking steps to combat air pollution by transitioning vehicles to run on compressed natural gas (CNG). Abuja authorities have allocated 100 billion naira (\$80 million) for the conversion of 5,500 vehicles to CNG as part of the country's \$2.5 billion Energy Transition Plan. This initiative focuses on converting 2,700 buses and tricycles, which are primary modes of transport in Nigeria. Additionally, around 100 conversion stations will be established across 18 states to support the transition.</p> <p>This development showcases an increase in the level of deployment of clean energy technology in Nigeria.</p>
3. IVORY COAST²¹⁷	
Level of deployment of clean energy technologies	<p>Ivory Coast is taking strides in solar power plant development, with ten multinational companies qualifying for partnerships. These solar plants, slated for the Bafing region, are part of a public-private partnership initiative. Notably, Meridiam, a French investment firm, has collaborated with EDF Renouvelables, a subsidiary of Électricité de France (EDF) group. Together, they aim to develop solar power plants that will contribute a combined output of</p>

²¹⁶ <https://www.afrik21.africa/en/nigeria-80m-to-be-released-for-the-conversion-of-5500-vehicles-to-natural-gas/>

²¹⁷ <https://theelectricityhub.com/ivory-coast-partners-with-multinationals-for-solar-plants/>

	<p>60 MWp to Ivory Coast's national grid. This effort aligns with the government's ambitious target of achieving 45% renewable energy share in the energy mix by 2030.</p>
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	<p>This development showcases an increase in renewable energy in the energy mix and advances the deployment of clean energy technology in Ivory Coast.</p>
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AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

1. Ghana
2. Nigeria
3. Tunisia
4. South Africa



AFRICA ENERGY TRANSITION WATCH

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On this week’s African Energy Transition Watch are **Ghana, Nigeria, Tunisia and South Africa**

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
	1. GHANA²¹⁸
Level of deployment of clean energy technologies	Ghana has launched a 5 MW solar photovoltaic (PV) system integrated with existing hydropower infrastructure at the Bui hydropower station in Bono region. The newly installed solar PV system is part of a hybrid plant that utilises both solar and hydraulic resources to

²¹⁸ <https://energycapitalpower.com/ghana-launches-floating-solar-pv-plant/>

	<p>generate and supply energy to the national grid. The floating solar plant will complement an existing 50 MWp land-based solar farm, and the 404 MW Bui hydropower plant.</p> <p>This development showcases an increase in the level of deployment of clean energy technology in Ghana.</p>
2. NIGERIA²¹⁹	
Level of deployment of clean energy technologies	<p>CAAS EV sets up its first fast DC electric vehicle (EV) chargers in Abuja, Nigeria. This new addition will make it easier for people in the area to charge their electric cars quickly and conveniently.</p> <p>Fast DC chargers can fill up an EV battery to 80% in about 20–30 minutes, unlike regular chargers, which can take several hours. This rapid charging is perfect for people who need to charge their vehicles in a hurry, either on long trips or just around town. CAAS.EV’s new chargers work with many different EV models, making them flexible and useful for various users.</p> <p>This development showcases an increase in the level of deployment of clean energy technology in Nigeria.</p>
3. TUNISIA²²⁰	
Existence of International Donor Involvement/ Level	<p>The European Bank for Reconstruction and Development (EBRD) has pledged €45 million to support Tunisia’s Société Tunisienne de l’Electricité et du Gaz (STEG). This funding includes</p>

²¹⁹ <https://theelectricityhub.com/caas-ev-launches-fast-dc-ev-chargers-in-abuja-nigeria/>

²²⁰ <https://theelectricityhub.com/acwa-power-tunisia-sign-green-hydrogen-deal/>

<p>of deployment of clean energy technologies</p>	<p>constructing a vital energy infrastructure project. It aims to develop ELMED, a 200-kilometre, 600MW HVDC submarine cable connecting Tunisia and Italy's electricity grids by 2028.</p> <p>This development showcases the existence of international donor involvement and an increase in the level of deployment in clean energy projects in Tunisia.</p>
<p>4. SOUTH AFRICA²²¹</p>	
<p>Level of deployment of clean energy technologies</p>	<p>Ford has installed large solar canopy car parks in South Africa (Silverton Assembly Plant) and Thailand (Ford Thailand Manufacturing).</p> <p>Ford is committed to building a more sustainable, inclusive, and equitable transportation future. The company says that it is working towards sourcing 100 per cent carbon-free electricity for global manufacturing by 2035. The brand is on its way to achieving 70.5 per cent of carbon-free electricity used in global manufacturing operations in 2023.</p> <p>This development showcases an increase in the level of deployment of clean energy technology in South Africa.</p>

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²²¹ <https://theelectricityhub.com/ford-install-big-solar-canopy-in-carparks/>



AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

1. South Sudan
2. Ghana
3. South Africa
4. Mauritania



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, particularly focusing on Renewable Energy 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, Existence of international donor involvement in RE projects, etc.

On this week’s African Energy Transition Watch are **South Sudan, Ghana, South Africa, and Mauritania.**

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. SOUTH SUDAN²²²	
Level of deployment of clean energy technologies	Installation of a 26 MW solar power plant in Juba, South Sudan by Aptech Africa. The solar installation uses Ulica Solar Panels and Huawei inverters and is divided into 4 Smart Transformer Stations. It is remotely monitored through Huawei’s Fusion Solar system.

²²² <https://www.esi-africa.com/renewable-energy/solar/grid-tied-solar-energy-system-commissioned-in-south-sudan/>

	This development will increase energy access, and advances the deployment of clean energy technology in South Sudan.
2. GHANA²²³	
Level of deployment of clean energy technologies	<p>A leading solar energy firm has achieved a significant milestone by installing and commissioning a rooftop solar system at the cold-room facility operated by The Fruit Terminal Company (FTC) in Tema Harbour, Ghana. The Ghana based firm, popularly known as Dutch & Co entered into partnership with The Fruit Terminal Company (FTC) by signing an EPC agreement for the engineering, procurement and construction of a 200 kWp Grid-Tie Solar PV system to provide green energy to the cold-room facility in Tema Harbour in Ghana.</p> <p>.</p> <p>This development showcases an increase in the level of the deployment of clean technology in Ghana.</p>
3. SOUTH AFRICA²²⁴	
Renewable Energy (RE) mix dynamics/ Level of deployment of clean energy technologies	<p>Rina Solar, a global leader in smart PV and energy storage solutions, announced the commencement of module deliveries to the Umoyilanga Avondale 115MW photovoltaic project, developed under a strategic partnership with China Energy International Group and China Gezhouba Group. The project is located approximately 800km from Johannesburg, in Apington, Northern Cape, South Africa. The partnership aims to contribute to global energy sustainability by deploying innovative solar solutions.</p>

²²³ <https://www.afsiasolar.com/fruit-company-limited-commits-to-solar-energy-benefiting-from-200kwp-solar-pv-installation-in-tema-harbour/>

²²⁴ <https://www.afsiasolar.com/trina-solar-partners-with-china-energy-international-group-and-china-gezhouba-group-to-launch-umoyilanga-avondale-115mw-photovoltaic-project-in-south-africa/>

	<p>Trina Solar will power the project with 109,968 panels of its NEG21C.20 Vertex N modules, the first batch of modules have already been delivered, based on the industry-leading 210mm product technology platform and with n-type i-TOPCon Advanced technology innovation. They excel in power, efficiency, reliability, and levelized cost of energy (LCOE).</p> <p>This development showcases an increase in renewable energy In the energy mix and advances the deployment of clean energy technology in South Africa.</p>
<p>4. MAURITANIA²²⁵</p>	
<p>Level of deployment of clean energy technologies</p>	<p>Mauritania and Saudi Arabia have signed an MOU to promote knowledge exchange and collaboration within the clean energy sector, including renewables, green hydrogen, power and carbon capture technologies.</p> <p>The agreement was signed by Saudi Energy Minister Prince Abdulaziz bin Salman Al-Saud and Mauritanian Minister of Petroleum, Mines and Energy Nani Ould Chrougha at the World Economic Forum’s special session in Riyadh.</p> <p>The MOU seeks to enhance the utilization of cleaner fossil-fuel technologies, incorporating state-of-the-art practices to mitigate environmental impacts. This involves deploying carbon capture, utilization and storage technologies, alongside boosting energy efficiency.</p> <p>This development advances the deployment of clean energy technology in Mauritania.</p>

²²⁵ <https://energycapitalpower.com/mauritania-saudi-arabia-clean-energy/>

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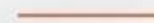
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AFRICA ENERGY TRANSITION WATCH



On this week's Africa Energy
Transition Watch are:

1. Angola
2. Nigeria
3. Kenya
4. Namibia



AFRICA ENERGY TRANSITION WATCH 2024-04-20

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On this week's African Energy Transition Watch are **Angola, Nigeria, Kenya and Namibia**.

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
	1. ANGOLA²²⁶
Renewable Energy (RE) mix dynamics	ExxonMobil has concluded drilling operations at theLikember-01 research well in Block 15 offshore Angola revealing the existence of high-quality, hydrocarbon-bearing. Sand packages. The well was drilled to a water depth of 3,013m.

²²⁶ <https://energycapitalpower.com/angola-exxonmobil-drilling-angola-block-15/>

	This development will increase energy access and advances the deployment of renewable energy technology in Angola.
2. NIGERIA²²⁷	
Level of deployment of clean energy technologies	<p>The University of Nigeria, Nsukka (UNN) at its 52nd convocation ceremony, unveiled its Solar PV Mini-Grid Field Laboratory with mini-hydro and biogas systems that aim to provide hands-on experience to students and professionals alike aimed to equip students and the public with essential energy generation, transmission, and distribution skills.</p> <p>This development showcases an increase in the level of deployment of clean technology in Nigeria.</p>
3. KENYA²²⁸	
Renewable Energy (RE) mix dynamics/ Level of deployment of clean energy technologies.	<p>Kenya Power and Lighting Company (KPLC) installed seven new substations in Nairobi and the Coast regions. KPLC said the seven commissioned substations will ensure customers access to reliable and sustainable electricity supply.</p> <p>The commissioned seven new substations, which will enhance the distribution network capacity by 260MVA (megavolt-amperes) to improve reliability and ensure the long-term sustainability of the grid.</p> <p>This development will showcase an increase in renewable energy mix and advance the deployment of renewable energy technology in Kenya.</p>

²²⁷ <https://theelectricityhub.com/unn-launches-solar-pv-mini-grid-field-laboratory-hub/>

²²⁸ <https://theelectricityhub.com/kenya-power-boosts-electricity-in-nairobi-coast-region/>

	4. NAMIBIA²²⁹
Existence of International Donor Development	<p>International financial institution, World Bank is providing backing for a \$138.5 million electricity project in Namibia. The project will strengthen Namibia’s electricity transmission network while advancing the integration of renewable energy into national grid infrastructure. The financing also serves to promote technical assistance to support NamPower in the development of renewable energy projects across the country.</p> <p>This development showcases the existence of international donor development in RE projects in Africa.</p>

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²²⁹ <https://energycapitalpower.com/mauritania-saudi-arabia-clean-energy/>

AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

1. Ghana
2. Sierra Leone
3. Ethiopia



AFRICA ENERGY TRANSITION WATCH

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On this week's African Energy Transition Watch are **Ghana, Sierra Leone and Ethiopia.**

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. GHANA²³⁰	
Level of deployment of clean energy technologies	Société Générale Ghana and Melcom launch solar power initiative at Spintex Branch. The installation of a 1,262KWP Grid-Tie Rooftop Solar PV system is funded with over GH¢13 million from Société Générale Ghana. It aims to slash Melcom's Spintex branch electricity costs by up to 35 per cent, highlighting a substantial investment in renewable energy.

²³⁰ <https://theelectricityhub.com/ghanas-societe-generale-melcom-go-solar/>

	This development showcases an increase in the level of deployment of clean energy technology in Ghana.
2. SIERRA LEONE²³¹	
Level of deployment of clean energy technologies	<p>Six leading hospitals in Sierra Leone have transitioned to clean, reliable, and affordable energy with the use of solar power systems installed with battery storage.</p> <p>The hospitals include Ola During Children’s Hospital (ODH), Princess Christian Maternity Hospital (PCMH), Masanga Hospital, and government hospitals in Kambia, Kabala, and Bonthe.</p> <p>The Sustainable Energy for All (SEforALL) completed installations and with a total power capacity of 0.6 megawatt-peak, these hospitals can now provide critical medical care around the clock.</p> <p>This development showcases an increase in the level of deployment of clean energy technology in Sierra Leone.</p>
3. ETHIOPIA²³²	
Existence of International Donor Involvement	<p>The African Development Bank Group’s Board of Directors has approved \$8 million to support the rollout of a pioneering pilot mini-grid programme with potential Africa-wide benefits. The funding, provided by the Bank-managed Sustainable Energy Fund for Africa (SEFA) in the form of concessional loans, grants and risk mitigation, will finance up to 50 percent of mini-</p>

²³¹ <https://theelectricityhub.com/six-sierra-leone-hospitals-go-solar/>

²³² <https://www.afdb.org/en/news-and-events/press-releases/ethiopia-african-development-banks-sustainable-energy-fund-africa-extend-8-million-groundbreaking-mini-grid-pilot-programme-71029>

grid capital expenditures for the Ethiopia Distributed Renewable Energy and Agriculture Modalities (DREAM) programme.

DREAM, which represents a first-of-a-kind approach for Africa's mini-grid industry, entails a pilot that will test the commercial viability and effectiveness of a business model integrating mini-grids with agribusiness operations at 9 sites across Ethiopia.

This development showcases the existence of international donor involvement in clean energy projects in Ethiopia.

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AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

1. Mauritania
2. South Africa
3. Tunisia



AFRICA ENERGY TRANSITION WATCH

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

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. MAURITANIA²³³	
Existence of International Donor Involvement/	Australian mining company Aura Energy has initiated a dual financing process to develop its flagship Tiris Uranium Project in Mauritania. The company has enlisted financial firms Orimco and Macquarie Capital to facilitate financing, with a final investment decision targeted for the

²³³ <https://energycapitalpower.com/aura-energy-mobilizes-financing-for-mauritanian-uranium-mine/>

Renewable Energy (RE) mix dynamics	<p>end of 2024. The Tiris project aims to deliver 30 million pounds of uranium over 16 years, generating \$2.25 billion based on a uranium price of \$80 per pound.</p> <p>This development showcases an increase in the level of deployment of clean energy technology in Mauritania.</p>
2. SOUTH AFRICA²³⁴	
Level of deployment of clean energy technologies/ Existence of International Donor Involvement	<p>South Africa’s state-owned Transnet National Ports Authority (TNPA) has selected Amulet Group Consortium to build and manage its inaugural 20 MW solar Photovoltaic (PV) plant at the Port of Richards Bay. The Project aims to introduce approximately 100 MW of renewable energy across South Africa’s eight commercial seaports.</p> <p>This development showcases an increase in the level of deployment of clean energy technology in South Africa.</p>
3. TUNISIA²³⁵	
Existence of International Donor Involvement	<p>Saudi Arabia’s ACWA Power signed a memorandum of understanding (MoU) with Tunisia to explore exporting green hydrogen to Europe. The agreement, announced recently, supports</p>

²³⁴https://energycapitalpower.com/south-africa-amulet-consortium-solar-plant/?_cf_chl_rt_tk=UBe.lwGjKeEJ9NpxGW78VE_JnK4NoYJeoqTzpb8f_HU-1717767915-0.0.1.1-4650

²³⁵<https://theelectricityhub.com/acwa-power-tunisia-sign-green-hydrogen-deal/>

Tunisia's national green hydrogen strategy released in October 2023, targeting 8.3 million tonnes of green hydrogen and by-products annually by 2050.

The project will unfold in three phases. ACWA Power will develop 12 GW of renewable energy, including storage, transmission, water desalination, electrolysers, and pipeline connections.

This development showcases the existence of international donor involvement in clean energy projects in Tunisia.

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AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

1. Cameroon
2. Sierra Leone
3. Kenya



AFRICA ENERGY TRANSITION WATCH

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

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. CAMEROON²³⁶	
Level of deployment of clean energy technologies	ENEO, the main electricity company of Cameroon, has signed two new agreements to double the generation and battery storage capacities of two of its solar energy parks. This agreement will enable the utility to further secure reliable power generation in the Northern regions of Cameroon and improve service quality for households and the industrial sector in these regions.

²³⁶<https://esi-africa.com/renewable-energy/solar/cameroon-will-double-the-capacity-of-its-two-solar-parks/>

	<p>This development showcases an increase in the level of deployment of clean energy technology in Cameroon.</p>
<p>2. SIERRA LEONE²³⁷</p>	
<p>Level of deployment of clean energy technologies</p>	<p>Borup, a town in Sierra Leone, has recently been electrified with clean energy thanks to the installation of a 27kWp Solar photovoltaic (PV) and 85kWh battery mini-grid which will provide 150 electricity connections and will directly benefit 1,300 people, powering households, small and medium enterprises (SMEs) and public institutions.</p> <p>This development showcases an increase in the level of deployment of clean energy technology in Sierra Leone.</p>
<p>3. KENYA²³⁸</p>	
<p>Existence of International Donor Involvement</p>	<p>Norway has committed to invest \$307 million in the e-mobility sector in Kenya, including the roll out of electric buses.</p> <p>The pledge will be carried out through Norfund, a Norwegian investment fund, which was one of the first investors in the Lake Turkana Wind Project. The funding was confirmed during the recent visit of Norwegian Foreign Minister Espen Barth Eide to Kenya. He visited BasiGo Kenya, an e-mobility company in Nairobi, where he affirmed Norway's enthusiasm for Kenya's growing e-mobility sector and its potential impact in the fight against climate change."</p> <p>This development showcases the existence of international donor involvement in clean energy projects in Kenya.</p>

²³⁷<https://www.esi-africa.com/industry-sectors/generation/sierra-leone-clean-energy-boosted-with-hybrid-mini-grid-installation/>

²³⁸<https://www.esi-africa.com/news/kenya-norway-to-invest-more-than-300m-in-e-mobility/>

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AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

1. Ghana
2. Nigeria
3. Tunisia
4. South Africa



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, particularly focusing on Renewable Energy 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, Existence of international donor involvement in RE projects, etc.

On this week's African Energy Transition Watch are **Ghana, Nigeria, Tunisia and South Africa**

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. GHANA²³⁹	
Level of deployment of clean energy technologies	Ghana has launched a 5 MW solar photovoltaic (PV) system integrated with existing hydropower infrastructure at the Bui hydropower station in Bono region. The newly installed solar PV system is part of a hybrid plant that utilises both solar and hydraulic resources to generate and supply energy to the national grid. The floating solar plant will complement an existing 50 MWp land-based solar farm, and the 404 MW Bui hydropower plant.

²³⁹ <https://energycapitalpower.com/ghana-launches-floating-solar-pv-plant/>

	This development showcases an increase in the level of deployment of clean energy technology in Ghana.
2. NIGERIA²⁴⁰	
Level of deployment of clean energy technologies	<p>CAAS EV sets up its first fast DC electric vehicle (EV) chargers in Abuja, Nigeria. This new addition will make it easier for people in the area to charge their electric cars quickly and conveniently.</p> <p>Fast DC chargers can fill up an EV battery to 80% in about 20–30 minutes, unlike regular chargers, which can take several hours. This rapid charging is perfect for people who need to charge their vehicles in a hurry, either on long trips or just around town. CAAS.EV’s new chargers work with many different EV models, making them flexible and useful for various users.</p> <p>This development showcases an increase in the level of deployment of clean energy technology in Nigeria.</p>
3. TUNISIA²⁴¹	
Existence of International Donor Involvement/ Level of deployment of	<p>The European Bank for Reconstruction and Development (EBRD) has pledged €45 million to support Tunisia’s Société Tunisienne de l’Electricité et du Gaz (STEG). This funding includes constructing a vital energy infrastructure project. It aims to develop ELMED, a 200-kilometre, 600MW HVDC submarine cable connecting Tunisia and Italy’s electricity grids by 2028.</p>

²⁴⁰ <https://theelectricityhub.com/caas-ev-launches-fast-dc-ev-chargers-in-abuja-nigeria/>

²⁴¹ <https://theelectricityhub.com/acwa-power-tunisia-sign-green-hydrogen-deal/>

<p>clean energy technologies</p>	<p>This development showcases the existence of international donor involvement and an increase in the level of deployment in clean energy projects in Tunisia.</p>
	<p style="text-align: center;">4. SOUTH AFRICA²⁴²</p>
<p>Level of deployment of clean energy technologies</p>	<p>Ford has installed large solar canopy car parks in South Africa (Silverton Assembly Plant) and Thailand (Ford Thailand Manufacturing).</p> <p>Ford is committed to building a more sustainable, inclusive, and equitable transportation future. The company says that it is working towards sourcing 100 per cent carbon-free electricity for global manufacturing by 2035. The brand is on its way to achieving 70.5 per cent of carbon-free electricity used in global manufacturing operations in 2023.</p> <p>This development showcases an increase in the level of deployment of clean energy technology in South Africa.</p>

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²⁴² <https://theelectricityhub.com/ford-install-big-solar-canopy-in-carparks/>



AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

1. Nigeria
2. Tanzania
3. Guinea Bissau



AFRICA ENERGY TRANSITION WATCH

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On this week's African Energy Transition Watch are **Nigeria, Tanzania and Guinea Bissau**.

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
	1. NIGERIA²⁴³
Level of deployment of clean energy technologies	CAAS EV has recently installed its first fast DC electric vehicle (EV) chargers in Abuja, Nigeria. This new addition will make it easier for people in the area to charge their electric cars quickly and conveniently. The introduction of fast DC chargers is likely to increase the number of people buying electric vehicles in the area. CAAS.EV's new chargers work with many different EV models, making them flexible and useful for various users. This development showcases an increase in the level of deployment of clean energy technology in Nigeria.
	2. TANZANIA²⁴⁴

²⁴³<https://theelectricityhub.com/caas-ev-launches-fast-dc-ev-chargers-in-abuja-nigeria/>

²⁴⁴<https://theelectricityhub.com/bii-commits-15m-to-tanzanias-wind-and-hydropower-projects/>

<p>Level of deployment of clean energy technologies/ Existence of International Donor Involvement</p>	<p>British International Investment (BII) commits \$15 million to Rift Valley Energy (RVE) for new wind and hydropower projects in Tanzania. The new 7.6 MW facilities will power 170,000 people annually and connect 4,000 businesses and households to the grid.</p> <p>This development showcases an increase in the level of deployment of clean energy technology in Tanzania.</p>
<p>3. GUINEA BISSAU²⁴⁵</p>	
<p>Existence of International Donor Involvement</p>	<p>The World Bank announced significant financial backing for Guinea-Bissau’s pioneering solar power initiative to reduce carbon emissions and increase electricity access. \$78.15 million has been committed to support the solar energy development. It aims to enhance the quality of life for residential, commercial, and industrial consumers throughout Guinea-Bissau, including its islands and also catalyse broader socio-economic development in Guinea-Bissau by improving energy access and affordability.</p> <p>This development showcases the existence of international donor involvement in clean energy projects in Guinea Bissau.</p>

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²⁴⁵<https://theelectricityhub.com/world-bank-supports-guinea-bissaus-solar-power-expansion/>

AFRICA ENERGY TRANSITION WATCH



On this week's Africa Energy
Transition Watch are:

1. Nigeria
2. Republic of Congo
3. Liberia



AFRICA ENERGY TRANSITION WATCH

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On this week's African Energy Transition Watch are **Nigeria, Republic of Congo and Liberia.**

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
	1. NIGERIA²⁴⁶
Level of deployment of clean energy technologies	British American Tobacco (BAT Nigeria) has launched a solar power plant at its Ibadan facility. Generating an average of 3,200 kWh per day and reducing carbon emissions by an estimated 650 tons annually, BAT Nigeria's solar initiative directly contributes to the national goals of cleaner energy and reduced emissions. This development showcases an increase in the level of deployment of clean energy technology in Nigeria.

²⁴⁶<https://theelectricityhub.com/bat-nigeria-inaugurates-solar-power-plant-in-ibadan/>

2. REPUBLIC OF CONGO²⁴⁷	
Level of deployment of clean energy technologies/ Existence of International Donor Involvement	<p>The Republic of the Congo has signed a deal with Dubai-based renewable energy company AMEA Power for the construction of a 100 MW solar PV facility. The solar plant aims to advance clean energy access in ROC where approximately 50% of the population have access to electricity.</p> <p>This development showcases an increase in the level of deployment of clean energy technology in the Republic of Congo.</p>
3. LIBERIA²⁴⁸	
Existence of International Donor Involvement	<p>The World Bank Group approved a \$45 million disbursement for Liberia’s Renewable Energy Solar Power Intervention Project (RESPITE) with the aim to boost Liberia’s renewable energy capacity. With a total budget of \$96 million, RESPITE will fund Liberia’s first 20-megawatt solar PV project and expand the Mount Coffee hydropower plant’s capacity from 88 to 129 megawatts.</p> <p>This development showcases the existence of international donor involvement in clean energy projects in Liberia.</p>

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²⁴⁷<https://energycapitalpower.com/congo-amea-power-develop-100mw-solar-plant/>

²⁴⁸<https://theelectricityhub.com/world-bank-funds-liberias-renewable-energy-expansion/>

AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

1. Uganda
2. South Sudan
3. Kenya



AFRICA ENERGY TRANSITION WATCH

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On this week’s African Energy Transition Watch are **Uganda, South Sudan and Kenya**.

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
	1. Uganda²⁴⁹
Level of deployment of clean energy technologies	<p>Uganda’s Ministry of Energy has inaugurated two electric vehicle (EV) charging stations in Kampala to support the growth of the electric mobility industry in the country.</p> <p>This development showcases an increase in the level of deployment of clean energy technology in Uganda.</p>

²⁴⁹ <https://energycapitalpower.com/uganda-ministry-energy-installs-ev/>

2. South Sudan²⁵⁰	
Level of deployment of clean energy technologies/ Existence of International Donor Involvement	<p>The Energy Inclusion Facility (EIF) and the Finnish Industrial Cooperation Fund (Finnfund) are awarding \$20 million in financing to asset manager Communication & Renewable Energy Infrastructure (CREI). It will subsequently finance the solarisation of telecommunications infrastructure in South Sudan. This investment is in line with the country’s objectives in terms of digitalisation and climate action, as improving mobile connectivity promotes economic growth, improved living standards and an inclusive society.</p> <p>This development showcases an increase in the level of deployment of clean energy technology in South Sudan.</p>
3. Kenya²⁵¹	
Existence of International Donor Involvement	<p>Norwegian investment fund “Norfund” has announced a \$307 million investment in Kenya’s electromobility sector.</p> <p>Norfund’s investment aims to enhance Kenya’s green mobility, reduce pollution and improve public transportation, and create at least 300 jobs for young Africans.</p> <p>This development showcases the existence of international donor involvement in clean energy projects in Kenya.</p>

²⁵⁰<https://www.afrik21.africa/en/south-sudan-obtains-20m-to-solarise-its-telecommunications-towers/>

²⁵¹<https://theelectricityhub.com/norfund-invests-307m-in-kenyas-electromobility/>

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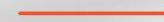
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AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

1. Nigeria
2. Ivory Coast
3. Botswana



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, particularly focusing on Renewable Energy 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, Existence of international donor involvement in RE projects, etc.

On this week's African Energy Transition Watch are **Nigeria, Ivory Coast and Botswana**

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
	1. Nigeria²⁵²
Level of deployment of clean energy technologies	<p>Lagos State to Introduce 1000 Electric Vehicles For the LAGRIDE Initiative underscoring the state's commitment to reducing its dependence on fossil fuels and minimizing its carbon footprint. It will also introduce carpooling services, chauffeur services, and tech-driven logistics services. This diverse range of services aims to enhance overall mobility within Lagos State.</p> <p>This development showcases an increase in the level of deployment of clean energy technology in Nigeria.</p>

²⁵²<https://theelectricityhub.com/lagos-state-to-introduce-1000-evs-for-the-lagride-initiative/>

2. Ivory Coast²⁵³	
Level of deployment of clean energy technologies/ Existence of International Donor Involvement	<p>The government of Ivory Coast has signed a concession agreement with a new investor, Kong Solaire to build a 50 MWp solar power plant in the north of the country.</p> <p>It aims to triple electricity generation capacity from the current 2,907 MW to 8,600 MW. This master plan will ensure that electricity supply meets the rapidly growing needs of the economy and households.</p> <p>This development showcases an increase in the level of deployment of clean energy technology in Ivory Coast</p>
3. Botswana²⁵⁴	
Existence of International Donor Involvement	<p>The World Bank supports Botswana’s commitment to expand domestic energy generation with renewable solutions.</p> <p>The first wave of 335MW renewable energy projects is already at different stages of development. This new World Bank project will finance the necessary grid investment and Botswana’s first 50MW utility-scale battery energy storage system to enable the first wave of renewable energy generation to be smoothly integrated and managed in the grid.</p> <p>This development showcases the existence of International donor involvement in clean energy projects in Botswana</p>

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²⁵³<https://www.afrik21.africa/en/a-new-ppp-for-a-50-mw-solar-farm-in-the-north-of-ivory-coast/>

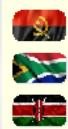
²⁵⁴<https://theelectricityhub.com/world-bank-supports-botswana-renewable-energy/>

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AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

1. Angola
2. South Africa
3. Kenya



AFRICA ENERGY TRANSITION WATCH

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On this week's African Energy Transition Watch are **Angola, South Africa, and Kenya**

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
	1. Angola²⁵⁵
Existence of International Donor Involvement	The Export-Import Bank of the United States (EXM) – the country's official credit agency is investing \$1.6 Billion in the development of solar infrastructure in Angola. This financing will support the construction of 65 solar mini grids situated across four provinces in

²⁵⁵ <https://energycapitalpower.com/angola-construction-solar-mini-grids-exim/>

	<p>southern Angola. These mini grids will not only strengthen access to electricity but also enhance access to clean drinking water</p> <p>This development showcases the existence of international donor involvement in clean energy technology in Angola.</p>
2. South Africa²⁵⁶	
Level of deployment of clean energy technologies	<p>Golden Arrow Bus Services in Cape Town is to take stock of 120 electric buses before the end of 2024. The new fleet of 12.5 meter-long, 65-seater electric buses is equipped with lithium iron phosphate batteries can run up to 24 hours on a single charge, with a single off-peak charging time of 2 to 4 hours.</p> <p>This development showcases an increase in the level of deployment of clean energy technology in South Africa</p>
3. Kenya²⁵⁷	
Level of deployment of clean energy technologies	<p>The Development Bank of Southern Africa (DBSA) has announced a \$68m investment to enhance Kenya’s 35 megawatt (MW) geothermal power plant and boost clean energy production. This financial agreement was signed with Sosian Energy, an energy company in Kenya, to strengthen the country’s electricity supply.</p>

²⁵⁶<https://www.esi-africa.com/news/cape-town-golden-arrow-secures-sas-first-fleet-of-electric-buses/>

²⁵⁷<https://theelectricityhub.com/dbsa-invests-68m-in-kenyas-35mw-geothermal-plant/>

This development showcases an increase in the level of deployment of clean energy technology in Kenya.

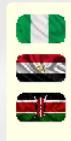
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AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

1. Nigeria
2. Egypt
3. Kenya



AFRICA ENERGY TRANSITION WATCH

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On this week's African Energy Transition Watch are **Nigeria, Egypt and Kenya**

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. NIGERIA²⁵⁸	
Existence of International Donor Involvement / Renewable Energy (RE) mix dynamics/Level of	AfDB approves \$500m loan to transform Nigeria's Energy Sector aimed at bolstering electricity access in Nigeria. The funding supports Nigeria's Energy Transition Plan to achieve 250 GW of renewable energy capacity by 2050 and enhance clean cooking access by 2030.

²⁵⁸<https://theelectricityhub.com/african-development-bank-approves-500-million-loan-to-boost-electricity-access-and-clean-energy-transition-in-nigeria/>

<p>deployment of clean energy technologies</p>	<p>This development showcases an increase in the level of deployment of clean energy technology and renewable energy in the overall energy mix in Nigeria.</p>
<p>2. EGYPT²⁵⁹</p>	
<p>Level of deployment of clean energy technologies / Renewable Energy (RE) mix dynamics</p>	<p>Egypt is set to boost its electricity capacity by 750MW through two renewable energy projects. The wind energy initiative will have a capacity of 250MW. The solar energy station will have a capacity of 500MW. The project is expected to significantly contribute to Egypt’s renewable energy goals.</p> <p>This development showcases an increase in the level of deployment of clean energy technology and renewable energy in the overall energy mix in Egypt</p>
<p>3. KENYA²⁶⁰</p>	
<p>Level of deployment of clean energy technologies / Renewable Energy (RE) mix dynamics</p>	<p>KenGen is adding 42.5MW of solar power in the Seven Forks area to boost Kenya’s renewable energy. This project will complement hydroelectric power by generating energy during the day and conserving water for nighttime use. This additional capacity is expected to enhance the country’s renewable energy portfolio and help mitigate the rising cost of power.</p> <p>This development showcases an increase in the level of deployment of clean energy technology and renewable energy in the overall energy mix in Kenya.</p>

²⁵⁹<https://www.esi-africa.com/renewable-energy/renewable-energy-projects-to-add-750mw-to-grid-in-egypt/>

²⁶⁰<https://theelectricityhub.com/kengen-is-set-to-add-42-5mw-of-solar-energy-in-the-seven-forks-area-marking-a-significant-step-in-scaling-up-kenyas-green-energy/>

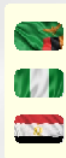
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AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

1. Zambia
2. Nigeria
3. Egypt.



AFRICA ENERGY TRANSITION WATCH

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On this week’s African Energy Transition Watch are **Zambia, Nigeria and Egypt**.

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
	1. ZAMBIA²⁶¹
Level of deployment of clean energy technologies / Renewable Energy (RE) mix dynamics	The African Development Bank's (AfDB) African Development Fund has granted the drought-hit country a loan of \$13.2 million for a project aimed at improving access to drinking water, sanitation and hygiene in Zambia. Renewable energy technologies are to be used for the water production and supply system. The money is to be used to implement “innovative measures” and improve access to drinking water, sanitation and hygiene for 460,000 people in Kabwe and Bauleni.

²⁶¹<https://www.esi-africa.com/industry-sectors/water/zambia-renewable-energy-to-power-water-and-sanitation-project/>

	<p>This development showcases an increase in the level of deployment of clean energy technology and renewable energy in the overall energy mix in Zambia.</p>
<p>2. NIGERIA²⁶²</p>	
<p>Energy Access</p>	<p>FGN Power Company secured a \$118 million EPC&F contract with Elsewedy and Power China to rehabilitate and construct 2,670 km of distribution lines under Phase I of the Presidential Power Initiative. Announced on July 31, the project includes 33kV, 11kV, and 400V lines, enhancing mid-stream transmission and improving power delivery across Nigeria.</p> <p>This development showcases the potential for increased energy access in Nigeria.</p>
<p>3. EGYPT²⁶³</p>	
<p>Level of deployment of clean energy technologies / Renewable Energy (RE) mix dynamics</p>	<p>Egypt’s Electricity and Agriculture Ministers announced plans to install solar panels on poultry farms nationwide, supported by a bank funding agreement. This initiative is part of the Ministry of Electricity and Renewable Energy’s strategy to expand renewable energy use.</p> <p>This development showcases an increase in the level of deployment of clean energy technology and renewable energy in the overall energy mix in Egypt.</p>

²⁶² <https://theelectricityhub.com/fgnpc-secures-118m-power-upgrade-deal/>

²⁶³ <https://theelectricityhub.com/electricity-agriculture-ministers-discuss-solar-powered-solutions/>

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AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

1. Senegal



2. Kenya



3. Angola



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, particularly focusing on Renewable Energy 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, Existence of international donor involvement in RE projects, etc.

On this week's African Energy Transition Watch are **Senegal, Kenya and Angola**.

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
	1. SENEGAL²⁶⁴

²⁶⁴ <https://energycapitalpower.com/senegal-energy-minister-inaugurates-new-power-station/>

<p>Level of deployment of clean energy technologies / Renewable Energy (RE) mix dynamics</p>	<p>Senegal's Minister of Energy, Petroleum and Mines Mirame Soulèye Diop has inaugurated a new electric power station in the northwestern city of Touba. At a cost of approximately \$117 million, the power station boasts a capacity of 225/30 KV and will provide electricity to 124 localities in the Diourbel region. Construction of the power station was undertaken by Eiffage Énergie Systèmes in partnership with the Senegalese government.</p> <p>This development showcases an increase in the level of deployment of clean energy technology and renewable energy in the overall energy mix in Senegal.</p>
<p>1. KENYA²⁶⁵</p>	
<p>Energy Access</p>	<p>The Kenyan government has approved a \$900 million power transmission infrastructure proposal from power distribution company Adani Energy Solutions. The project aims to construct 371km of transmission lines and five substations in eastern and western Kenya as part of a public-private partnership between the government and Adani Energy. The move is part of the country's broader plan to upgrade ageing infrastructure, while reducing leakages and frequent power outages.</p> <p>This development showcases the potential for increased energy access in Kenya.</p>
<p>2. ANGOLA²⁶⁶</p>	

²⁶⁵ <https://energycapitalpower.com/kenya-approves-900m-power-transmission-partnership-with-adani-energy/>

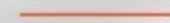
²⁶⁶ <https://energycapitalpower.com/angola-secures-1-6b-loan-for-65-solar-mini-grids/>

<p>Existence of International Donor Involvement/ Level of deployment of clean energy technologies/ Renewable Energy (RE) mix dynamics</p>	<p>The Export-Import Bank (EXIM) - the official export credit agency of the United States - is providing a \$1.6 billion direct loan to support the development of 65 solar mini-grids in Angola. The funding will be directed towards capital market company ING Capital, clean energy firm Sun Africa and construction company Omatapalo. The solar infrastructure - all of which will be equipped with energy storage facilities - will be situated across four provinces in southern Angola. Providing an off-grid solution to remote communities, the projects aim to improve access to electricity as well as clean drinking water.</p> <p>This development showcases an increase in the level of deployment of clean energy technology and renewable energy in the overall energy mix in Angola.</p>
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AFRICA ENERGY TRANSITION WATCH

On this week's Africa Energy
Transition Watch are:

1. Botswana
2. Egypt
3. Nigeria



AFRICA ENERGY TRANSITION WATCH

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On this week's African Energy Transition Watch are **Botswana, Egypt and Nigeria**

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
	1. BOTSWANA²⁶⁷
Energy Access	Botswana has successfully connected 447 out of 565 gazette villages to the national electricity grid. With 19 more villages to be connected by the end of the month, it would mean that Botswana has achieved 81.9% village electrification with expectations to reach 82.5% by the end of August.

²⁶⁷<https://africa-energy-portal.org/news/botswana-electrification-efforts-progress-new-plans-villages#:~:text=Botswana%20Electrification%20Efforts%20Progress%20with%20New%20Plans%20for%20Villages%20Under,the%20end%20of%20the%20month.>

	This development showcases the potential for increased energy access in Botswana
2. EGYPT²⁶⁸	
Level of deployment of clean energy technologies / Renewable Energy (RE) mix dynamics	<p>Renewable energy companies Infinity Power and Masdar have signed a power purchase agreement (PPA) with electric utility the Egyptian Electricity Transmission Company to construct a 200MW onshore wind farm in Egypt's Gulf of Suez region. The wind farm will produce 810,000 MWh of clean energy, while mitigating approximately 403,672 tons of CO2 emissions per year.</p> <p>This development showcases an increase in the level of deployment of clean energy technology and renewable energy in the overall energy mix in Egypt</p>
3. NIGERIA²⁶⁹	
Level of deployment of clean energy technologies / Renewable Energy (RE) mix dynamics	<p>REA and Nayo Tropical Technology Limited have launched a 40kWp solar hybrid mini grid in Rafinzurfi Community, Gwagwalada, FCT Abuja. The new mini grid will provide clean energy to over 138 households and critical local facilities (a community clinic, two schools, 16 commercial users, and 11 productive users), supplying clean energy to enhance daily life and economic activity.</p>

²⁶⁸<https://energycapitalpower.com/egypt-infinity-power-masdar-sign-ppa-for-200-mw-wind-project/>

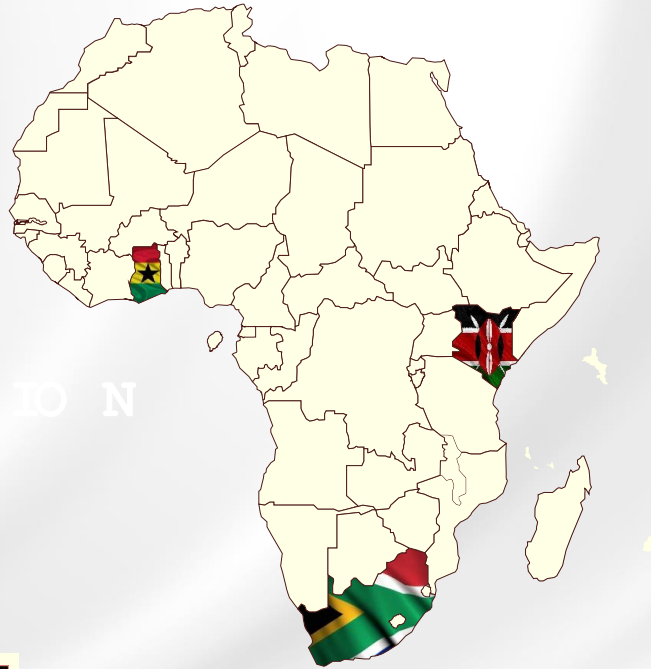
²⁶⁹<https://theelectricityhub.com/rea-and-nayo-tropical-technology-limited-have-launched-a-40kwp-solar-hybrid-mini-grid-in-rafinzurfi-community-gwagwalada/>

This development showcases an increase in the level of deployment of clean energy technology and renewable energy mix In the overall energy mix in Nigeria.

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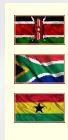
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T R A N S I T I O N
W A T C H



**On this week's Africa Energy
Transition Watch are:**

1. Kenya
2. South Africa
3. Ghana



AFRICA ENERGY TRANSITION WATCH

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On this week’s African Energy Transition Watch are **Kenya, South Africa and Ghana**.

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. KENYA²⁷⁰	
Level of deployment of clean energy technologies / Renewable Energy (RE) Energy mix	iColo has commissioned over 650 kilowatts (kW) of new solar installations across its two data centre campuses in Nairobi and Mombasa. iColo, a digital realty company and data centre operator, has announced the installation of solar panels at its

²⁷⁰ <https://theelectricityhub.com/icolo-installs-650kw-solar-panels-at-its-facilities-in-kenya/>

<p>dynamics/Energy Access</p>	<p>facilities in Kenya. This step marks a significant expansion of its renewable energy initiatives, making it one of the greenest global connectivity hubs in the country.</p> <p>This development showcases the potential for increased energy access and Renewable Energy (RE) in the energy mix dynamics in Kenya.</p>
<p>2. SOUTH AFRICA²⁷¹</p>	
<p>Energy Access / Renewable Energy (RE) mix dynamics</p>	<p>Cape Town-based energy firm Veers Group and Chinese solar company Aiko Energy have formed new joint venture (JV) - Aiko Energy S.A. to advance solar power adoption in South Africa.</p> <p>The JV will utilize Veers Group's expertise in local procurement and battery and solar supply capabilities to distribute Aiko Energy's solar modules across utility-scale, residential and commercial projects in South Africa and across the continent."By combining global innovation with local knowledge, we are confident that this joint venture will not only accelerate South</p>

²⁷¹ <https://energycapitalpower.com/veers-group-aiko-energy-launch-solar-jv-in-south-africa/>

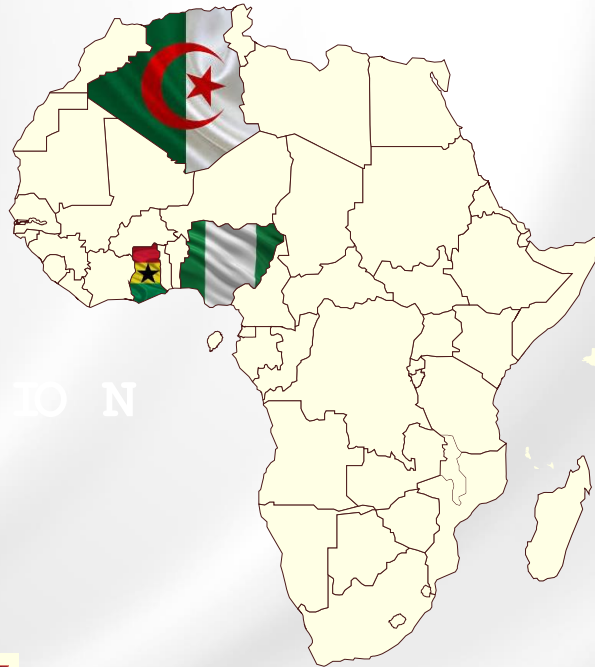
	<p>Africa's energy transition, but also serve as a model for sustainable growth worldwide,"</p> <p>This development showcases the potential for increased energy access and Renewable Energy (RE) energy in the mix dynamics in South Africa.</p>
<p>3. GHANA²⁷²</p>	
<p>Level of deployment of clean energy technologies / Renewable Energy (RE) mix dynamics</p>	<p>The vice President of Ghana, Dr Mahamudu Bawumia, has pledged to introduce 100 electric vehicles by December 2024 if elected president. His manifesto, launched on August 18, aims to cut transportation costs and shift Ghana towards green energy. Bawumia's plan extends beyond transportation. He vows to transition Ghana's energy sector to renewable sources, focusing on solar energy</p> <p>This development showcases the potential for an increase in the level of deployment of clean energy technology and renewable energy in the energy mix dynamics in Ghana.</p>

²⁷² <https://theelectricityhub.com/ghana-vp-promises-100-electric-vehicles-green-energy-push/>

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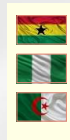
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T R A N S I T I O N
W A T C H



**On this week's Africa Energy
Transition Watch are:**

- 1. Ghana**
- 2. Nigeria**
- 3. Algeria**



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, particularly focusing on Renewable Energy 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, Existence of international donor involvement in RE projects, etc.

On this week's African Energy Transition Watch are **Ghana, Nigeria, And Algeria**

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
	I. GHANA²⁷³
Level of deployment of clean energy technologies	The Bui Power Authority is adding another 40MW of solar on land and 10MW floating solar onto the Ghana national grid. A Deputy Minister of Energy, John Kobina Abbam Aboah Sanie, observed that BPA's commitment to expanding renewable energy capacity was exemplary.

²⁷³<https://theelectricityhub.com/bui-power-to-boost-ghanas-grid-with-50mw-solar-energy>

	This development showcases an increase in the level of deployment of clean energy technology in Ghana.
2. NIGERIA²⁷⁴	
Level of deployment of clean energy technologies	<p>Lagos University Teaching Hospital (LUTH) is set to invest significantly in renewable energy as part of a strategic move to address ongoing power challenges, according to Chief Medical Director Prof. Wasiu Adeyemo. Adeyemo.</p> <p>The distinguished Professor of Oral and Maxillofacial Surgery revealed that the hospital will allocate 20% of its annual budget to renewable energy initiatives. This decision comes in response to a sharp increase in electricity tariffs and recent power shortages affecting the hospital's operations.</p> <p>This development showcases an increase in the level of deployment of clean energy technology in Nigeria.</p>
3. Algeria²⁷⁵	
Existence of International Donor Involvement/ Level of deployment of clean energy technologies	China International Water & Electric Corp. (CWE) and the Power Construction Corporation of China (POWERCHINA) will ship one gigawatt (GW) Astronergy n-type TOPCon solar module to Algeria to support the country's 2,000 MW solar plant construction plan.

²⁷⁴ <https://theelectricityhub.com/lagos-university-teaching-hospital-luth-will-allocate-20-of-its-annual-budget-to-renewable-energy-investments-to-tackle-rising-electricity-costs/>

²⁷⁵ <https://theelectricityhub.com/1gw-astronergy-modules-to-boost-solar-utilisation-in-algeria/>

The 2,000MW plan is a photovoltaic power plant construction plan proposed by Sonelgaz, Algeria's state-owned power utility. The plan is to build 15 solar power plants in the country's 12 provinces, each with a capacity ranging from 80 to 220 MW.

This development showcases the existence of international donor involvement and an increase in the level of deployment of clean energy projects in Algeria.

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

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. KENYA²⁷⁶	
Level of potential for attracting investment in clean energy technologies	<p>The Insurance Regulatory Authority of Kenya (IRA), in partnership with the Ministry of Energy and Petroleum, the State Department of Industrialisation, and the East African Insurance Sector, announced a geothermal risk underwriting facility in Kenya, a pioneering initiative in the whole continent.</p> <p>The facility will underwrite up to KSh260 million in the early exploration stages and is</p>

²⁷⁶ <https://theelectricityhub.com/ira-unveils-underwriting-facility-to-boost-geothermal-investments/>

	<p>expected to fast-track and attract greater investments in green energy projects in Kenya and the region by reducing the financial risk associated with geothermal projects.</p> <p>This development showcases an increase in the level of potential for attracting investment in clean energy technologies in Kenya</p>
<p>2. TANZANIA²⁷⁷</p>	
<p>Existence of international donor involvement in RE projects</p>	<p>The government of Tanzania, in collaboration with the United Nations Development Programme (UNDP), the European Union (EU) and the Embassy of Ireland, has awarded Sh250 million to ten innovators in a move to promote sustainable energy. The initiative, part of an energy efficiency innovation challenge, aims to spark sustainable energy practices and introduce solutions to address energy inefficiency in the country. This is in line with Tanzania’s nationally determined contributions (NDC) to reduce greenhouse gas emissions by 30–35 percent by 2030.</p> <p>This development showcases the existence of international donor involvement in RE projects in Tanzania</p>
<p>3. ZIMBABWE²⁷⁸</p>	
<p>Level of deployment of clean energy technologies</p>	<p>Catholic sisters in Zimbabwe’s second-largest city, Bulawayo, have built off-grid infrastructure to power their operations. The Missionary Sisters of the Precious Blood have turned to solar energy to run a thriving horticulture project. Zimbabwe has not been spared disruption of hydro-based power generation triggered by climate-</p>

²⁷⁷ <https://theelectricityhub.com/tanzania-undp-eu-award-sh250-million-to-energy-innovators/>

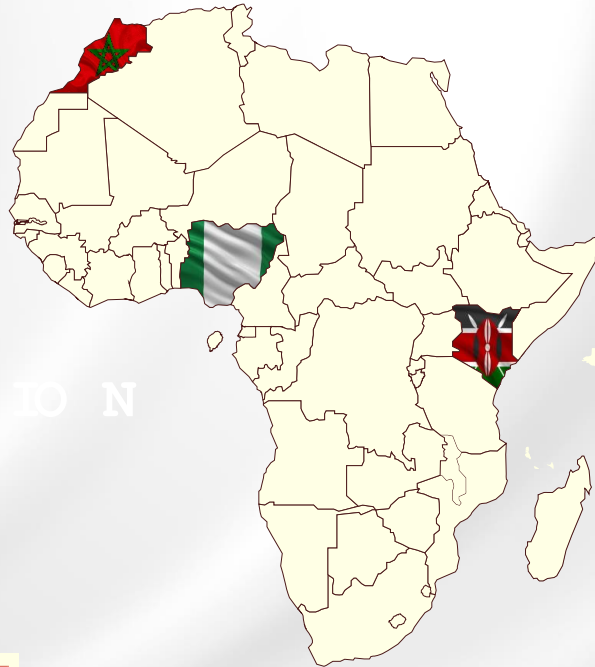
²⁷⁸ <https://theelectricityhub.com/catholic-sisters-in-zimbabwe-built-off-grid-infrastructure/>

	<p>induced low rainfall, forcing the authorities to import electricity from neighbouring power utilities.</p> <p>By investing heavily in renewable energy, the Catholic sisters have created a horticulture marvel that could serve as a model for other religious congregations seeking to support themselves, while being environmentally friendly. The solar infrastructure installed by the sisters also provides electricity to their residences at a time when millions of residents face rolling power outages.</p> <p>This development showcases an increase in the deployment of clean energy technologies in Zimbabwe.</p>
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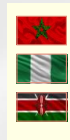
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AFRICA
ENERGY
TRANSITION
WATCH



**On this week's Africa Energy
Transition Watch are:**

1. Morocco
2. Nigeria
3. Kenya



AFRICA ENERGY TRANSITION WATCH

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On this week's African Energy Transition Watch are **Morocco, Nigeria and Kenya**.

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
I. MOROCCO²⁷⁹	
Existence of international donor involvement in RE projects	The International Finance Corporation (IFC) has granted a €100 million (USD 108 million) loan to OCP Group to build a 219-kilometre water pipeline in Morocco. This pipeline will transport desalinated water from OCP's plants in Jorf Lasfar to its production facilities in Khouribga. OCP aims to secure a sustainable water supply and reduce the strain on local water resources. Once complete, the pipeline will carry 80 million cubic meters of

²⁷⁹ <https://theelectricityhub.com/ifc-grants-e100m-for-renewable-water-pipeline-in-morocco/>

	<p>water annually. This project forms part of OCP’s goal to rely entirely on non-conventional water sources by 2024.</p> <p>This development showcases existence of international donor involvement in RE projects in Morocco</p>
2. NIGERIA²⁸⁰	
Transmission Network Structure	<p>The Transmission Company of Nigeria (TCN) has successfully commissioned a new power transformer at its Maryland Substation in Lagos State, marking a significant upgrade in the facility’s capacity. The newly commissioned 1×100 megavolt amperes (MVA) 132/33 kilovolt (kV) transformer was officially inaugurated on Friday, September 13, 2024. This latest addition boosts the substation’s total capacity from 90 MVA to 190 MVA, effectively increasing its power handling capability to 152 megawatts (MW). The enhancement is expected to substantially improve the electricity supply situation in the region, providing a more robust bulk power supply to the Ikeja Electricity Distribution Company (Ikeja DisCo).</p> <p>This development showcases the advancements of Transmission Network Structures in Nigeria</p>
3. KENYA²⁸¹	
Level of deployment of clean energy technologies	<p>A new solar PV system has been installed at the Makueni County Referral Hospital in Kenya to overcome an electrical shortfall. According to the World Resources Institute (WRI), the hospital is the largest health institution in this rural area of Kenya, handling roughly 500 patients daily in the region. The new solar PV system will generate 288Mwh</p>

²⁸⁰ <https://theelectricityhub.com/tcn-has-commissioned-a-new-100-mva-transformer-at-maryland-substation-increasing-its-capacity-from-90-mva-to-190-mva/>

²⁸¹ <https://www.esi-africa.com/news/new-solar-pv-system-installed-at-a-hospital-to-save-makueni-county-government-millions/>

	<p>annually; enough to meet 30-33% of the hospital's electricity needs. In addition to saving the county government up to Ksh 7 million (\$55,000) each year, the system will also provide a continuous, stable and clean power supply in the country.</p> <p>This development showcases an increase in the deployment of clean energy technologies in Kenya.</p>
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On this week's African Energy Transition Watch are **Cape Verde, Kenya and Morocco**.

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. CAPE VERDE²⁸²	
Level of deployment of clean energy technologies	Cape Verde has inaugurated its largest solar PV plant to date, set to produce more than 10 GW annually for the island archipelago nation off the West African coast. The solar farm project is expected to increase the penetration of renewable energy on the island to more than 40%.

²⁸² <https://www.esi-africa.com/renewable-energy/solar/solar-energy-projects-to-increase-re-output-in-cape-verde/>

	<p>It estimates an annual production of electrical energy at 10,808 MW and will avoid the import and consumption of 2,527 tons of fossil fuels each year, avoiding the emission of greenhouse gases of around 9,194 tons of carbon dioxide per year.</p> <p>This development showcases an increase in the level of deployment of clean energy technology in Cape Verde.</p>
2. KENYA²⁸³	
Level of deployment of clean energy technologies	<p>A pilot project to power electric two-wheeler (E2W) motorbikes with solar energy is to be introduced in Nairobi, Kenya. The pilot project will consist of 36 electric charging units and 150 lithium-ion batteries suitable for E2W vehicles, charged by a 37kWp solar PV system. The project aims to provide an affordable pathway to powering Africa’s transport future while reducing carbon emission and creating more sustainable urban economies.</p> <p>This development showcases an increase in the level of deployment of clean energy technology in Nairobi, Kenya.</p>
3. MOROCCO²⁸⁴	
Level of development of clean energy technologies	<p>Morocco has approved the construction of two new solar power stations near Khouribga, to boost its renewable energy capacity and achieve a target of 52% by 2030. The planned solar facilities will be within the Oulad Kouaouech-Beni Zentel-Oulad</p>

²⁸³ <https://www.esi-africa.com/renewable-energy/solar/solar-energy-project-to-power-electric-two-wheelers-in-kenya/>

²⁸⁴ <https://theelectricityhub.com/morocco-has-approved-the-construction-of-two-new-solar-power-stations-near-khouribga-covering-241-hectares-to-boost-its-renewable-energy/>

Youssef Charkia community, covering 127 hectares and 114 hectares, respectively. This project underscores MASEN's critical role in driving the nation's energy transition, further solidifying Morocco's position as a leader in renewable energy on the African continent.

This development showcases an increase in the level of deployment of clean energy technology in Morocco.

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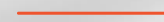
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**On this week's Africa Energy
Transition Watch are:**

1. Morocco
2. Burkina Faso
3. Nigeria



AFRICA ENERGY TRANSITION WATCH

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On this week's African Energy Transition Watch are **Morocco, Burkina Faso and Nigeria**

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
	1. MOROCCO²⁸⁵
Level of deployment of clean energy technologies	Morocco is progressing in its energy strategy. The country aims to produce 9,614 MW of electricity at a projected cost of 87.9 billion dirhams (23.9 Billion USD). The proposed electricity production will come from various sources, including 2,098 MW from combined circuits and 7,516 MW from renewable energy and pumped storage. This includes 4,098 MW from solar energy and 2,668 MW from wind power and additional capacity from hydraulic energy and electric batteries

²⁸⁵ <https://theelectricityhub.com/morocco-to-invest-mad-88-billion-in-green-electricity-production/>

	This development showcases an increase in the level of deployment of clean energy technology in Morocco.
2. BURKINA FASO²⁸⁶	
Level of deployment of clean energy technologies/ Existence of International Donor Involvement	<p>The AfDB confirmed that it has approved a €6 million concessional financing package from the sustainable Energy Fund for Africa (SEFA). This is to accelerate the completion of Burkina Faso’s Dédougou photovoltaic solar project in support of the Bank’s Desert-to-Power initiative.</p> <p>The project is to design, construct and operate an 18MW solar power plant in Dédougou, 250 kilometres west of the capital, Ouagadougou. The project is expected to contribute to energy security, diversification of the energy mix, reduced electricity costs, and increased national electrification rates.</p> <p>This development showcases an increase in the level of deployment of clean energy technology in Burkina Faso.</p>
3. NIGERIA²⁸⁷	
Level of deployment of clean energy technologies	The North East Development Commission (NEDC) is to introduce electric vehicles in Northeast Nigeria. This decision was informed by plans to create modular solar power units across states, providing a standby power source for the e-vehicles. The e-vehicle

²⁸⁶ <https://www.esi-africa.com/renewable-energy/solar/burkina-faso-solar-energy-project-gets-concessional-financing-boost/>

²⁸⁷ <https://theelectricityhub.com/nedc-plans-to-introduce-electric-vehicles-in-northeast-nigeria/>

fleet would comprise three categories: e-buses designed for intra-state movements with a minimum capacity of 40 people/trip, e-taxis and modified tricycles.

This development showcases an increase in the level of deployment of clean energy technology in Nigeria.

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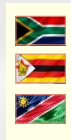
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AFRICA
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**On this week's Africa Energy
Transition Watch are:**

1. South Africa
2. Zimbabwe
3. Namibia



AFRICA ENERGY TRANSITION WATCH

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On this week's African Energy Transition Watch are **South Africa, Zimbabwe and, Namibia**

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
	1. SOUTH AFRICA²⁸⁸
Level of deployment of clean energy technologies	South Africa has launched its first electric minibus taxi, the eKamva, aiming to transform the transport sector and significantly reduce carbon emissions. The 15-seater eKamva boasts a range of over 200 km per charge, fast-charging in just 75 minutes with a 60 kW DC charger or slow-charging overnight in 10 hours

²⁸⁸ <https://theelectricityhub.com/south-africa-has-launched-its-first-electric-minibus-taxi-the-ekamva-aiming-to-transform-the-transport-sector/>

	This development showcases an increase in the level of deployment of clean energy technology in South Africa.
2. ZIMBABWE²⁸⁹	
Level of deployment of clean energy technologies/ Existence of International Donor Involvement	<p>A 200kW solar mini-grid and green village model has been commissioned in Hakwata village, Chipinge District, Zimbabwe. The Zimbabwe United Nations Development Programme (UNDP) stated that this project, valued at almost \$2 million, marks a significant leap towards Zimbabwe’s sustainable energy goals.</p> <p>The project, now at 20% utilisation, serves 85 households, 18 businesses, a school, a clinic and three community boreholes, with plenty of room for future expansion.</p> <p>This development showcases an increase in the level of deployment of clean energy technology in Zimbabwe.</p>
3. NAMIBIA²⁹⁰	
Existence of International Donor Involvement	<p>Namibia partners with Chinese firms to build a N\$1.6 billion (US\$89 million), 100 MW solar plant, set for completion by mid-2026. The project aims to reduce Namibia’s reliance on electricity imports and stabilise rising tariffs.</p> <p>Namibia’s energy demand is projected to grow by 5% annually, and the solar plant will add 100 MW to its current capacity.</p>

²⁸⁹ <https://www.esi-africa.com/renewable-energy/solar-mini-grid-empowers-rural-lives-in-zimbabwe/>

²⁹⁰ <https://theelectricityhub.com/namibia-secures-n1-6-billion-deal-for-largest-solar-plant/>

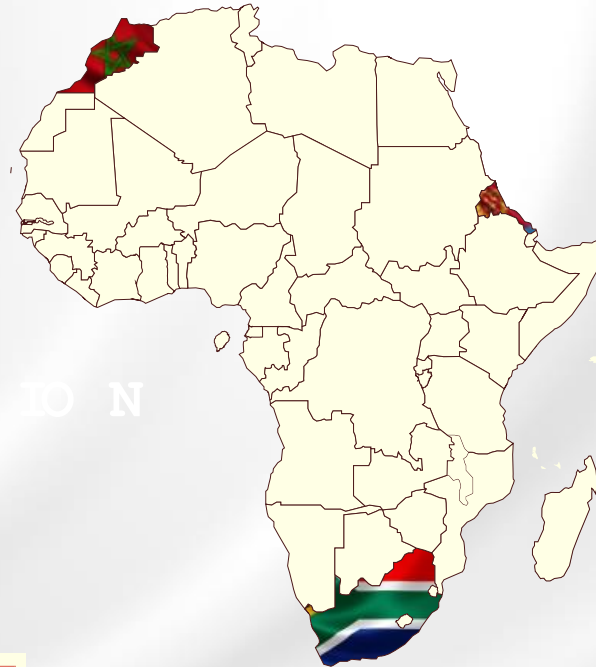
This project aims to enhance Namibia's energy independence, stabilise electricity tariffs, and drive economic growth while promoting environmental sustainability.

This development showcases the existence of international donor involvement in clean energy projects in Namibia.

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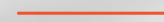
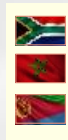
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**On this week's Africa Energy
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1. South Africa
2. Morocco
3. Eritrea



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On this week's African Energy Transition Watch are **South Africa, Morocco and Eritrea**

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. SOUTH AFRICA²⁹¹	
Level of deployment of clean energy technologies	Global integrated energy firm Sasol commenced commercial operations at the 69 MW Msenge Emoyeni wind farm in South Africa's Eastern Cape. Completed within 18 months, the wind farm powers Sasolburg operations through the national grid. The project was developed by a consortium including African Clean Energy Developments, Reatile Renewables, and African Infrastructure Investment Managers. Sasol aims to increase its renewable energy capacity with plans to procure 1.2 GW by 2030.

²⁹¹ <https://energycapitalpower.com/south-africa-sasol-achieves-commercial-operation-at-69-mw-wind-farm/>

	This development showcases an increase in the deployment of clean energy technologies in South Africa.
2. MOROCCO²⁹²	
Level of deployment of clean energy technologies	<p>Morocco inaugurated the 270 MW Jbel Lahdid wind farm, expanding its renewable energy capacity to 5,440 MW. The project, developed through a public-private partnership involving ONEE, Nareva, and Enel Green Power, will generate 952 GWh annually and reduce CO2 emissions by 580,000 tonnes. Strategically located in Essaouira province, it enhances energy independence and supports Morocco's goal of achieving 52% renewable energy by 2030. The wind farm also creates local jobs and improves infrastructure, emphasising Morocco's leadership in clean energy efforts.</p> <p>This development showcases an increase in the deployment of clean energy technologies in Morocco.</p>
3. ERITREA²⁹³	
Level of deployment of clean energy technologies	<p>Eritrea has implemented a solar-powered water distribution project aimed at improving access to clean water in rural communities. The initiative involves installing solar-powered pumping systems, which will reduce reliance on diesel-powered pumps and lower operational costs. The project includes a dam with a capacity of 210,000 cubic meters of water, a 13km water pipeline, a water container capable of holding 75 cubic meters and four solar-powered distribution centres. This project not only provides a</p>

²⁹² <https://theelectricityhub.com/morocco-boosts-energy-independence-with-jbel-lahdid-wind-farm/>

²⁹³ <https://www.esi-africa.com/industry-sectors/water/eritrea-project-to-distribute-water-via-solar-powered-centres/>

	<p>sustainable solution to water scarcity, but also supports community development by promoting health, sanitation, and environmental sustainability.</p> <p>This development showcases an increase in the deployment of clean energy technologies in Eritrea.</p>
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On this week's African Energy Transition Watch are **the Democratic Republic of Congo, Ethiopia and Nigeria.**

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
	1. DRC²⁹⁴
Level of deployment of clean energy technologies	Soleos Energy, a renewable energy development company based in India, is partnering with Melci, an electrical engineering company in the Democratic Republic of Congo (DRC), to construct a 200 MW solar PV power project in the Haut-Katanga province. The solar project is expected to generate approximately 350 million kilowatt-hours of electricity a year, thereby reducing CO ₂ emissions by 300,000 t/y.

²⁹⁴ <https://theelectricityhub.com/soleos-energy-to-build-200-mw-solar-plant-in-drc/>

	This development showcases an increase in the level of deployment of clean energy technology in the DRC.
2. ETHIOPIA²⁹⁵	
Level of deployment of clean energy technologies/ Existence of International Donor Involvement	<p>Japanese solar cell manufacturer Toyo has announced it will construct a 2 GW solar cell factory in Ethiopia. The company said it will initially invest \$60 million in the new 31,500 m² factory.</p> <p>TOYO anticipates the creation of up to 880 jobs, encompassing roles in manufacturing and engineering.</p> <p>This development showcases an increase in the level of deployment of clean energy technology in Ethiopia.</p>
3. NIGERIA²⁹⁶	
Level of deployment of clean energy technologies	<p>The National Union of Road Transport Workers (NURTW) in Lagos has launched 3,000 Compressed Natural Gas (CNG)–powered commercial tricycles. The initiative, valued at N10.2 billion, aims to ease transport challenges in the city.</p> <p>The initiative will lower drivers’ daily operational fuel costs from N15,000 to N2,500 and N3,000 while creating over 5,000 new jobs in the sector.</p> <p>This development showcases an increase in the level of deployment of clean energy technology in Nigeria.</p>

²⁹⁵ <https://energycapitalpower.com/toyo-to-construct-2-gw-solar-cell-factory-in-ethiopia/>

²⁹⁶ <https://theelectricityhub.com/lagos-launches-cng-tricycles-lower-fares-more-jobs/>

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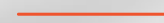
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Transition Watch are:**

- 1. Namibia**
- 2. Republic of Congo**
- 3. Kenya**



AFRICA ENERGY TRANSITION WATCH

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On this week's African Energy Transition Watch are **Namibia, Republic of Congo and, Kenya.**

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
4. NAMIBIA²⁹⁷	
Level of deployment of clean energy technologies	<p>Solarcentury Africa and Sino Energy launched a 20 MW solar plant in Namibia. This project addresses energy supply gaps by providing a stable renewable energy source unaffected by climatic challenges that impact hydropower.</p> <p>The initiative enhances Namibia's energy resilience and demonstrates how private investment can drive sustainable energy solutions in Southern Africa.</p>

²⁹⁷ <https://theelectricityhub.com/namibia-pioneers-solar-innovation-with-merchant-model-plant/>

	This development showcases an increase in the level of deployment of clean energy technology in Namibia.
5. REPUBLIC OF CONGO²⁹⁸	
Level of deployment of clean energy technologies/ Existence of International Donor Involvement	<p>The Republic of Congo (RoC) is making strides in renewable energy, with the planned construction of its largest hydroelectric dam at Sounda, slated to begin in January 2025. This \$9.4 billion project, financed and led by China Overseas, is poised to generate 600–800 MW.</p> <p>The Sounda Dam will not only bolster energy security, but also catalyse further investment in the country’s sustainable energy sector.</p> <p>This development showcases an increase in the level of deployment of clean energy technology in the Republic of Congo.</p>
6. KENYA²⁹⁹	
Existence of International Donor Involvement/ Level of deployment of clean energy technologies	<p>The Menengai Geothermal Project in Kenya has marked a significant milestone with the groundbreaking of a 35 MW power plant. Supported by a \$198.4 million investment from the African Development Bank Group, the project will consist of three modular plants, each with a capacity of 35 MW, aiming to provide clean energy to half a million households by 2025.</p> <p>The first plant is operational, while the second is under construction and set to begin generating power by late 2025. Once fully completed, the facility will have a total</p>

²⁹⁸ <https://energycapitalpower.com/expanding-sustainable-energy-congos-9-4b-bet-on-hydropower/>

²⁹⁹ <https://www.esi-africa.com/news/kenya-menengai-geothermal-project-breaks-ground/>

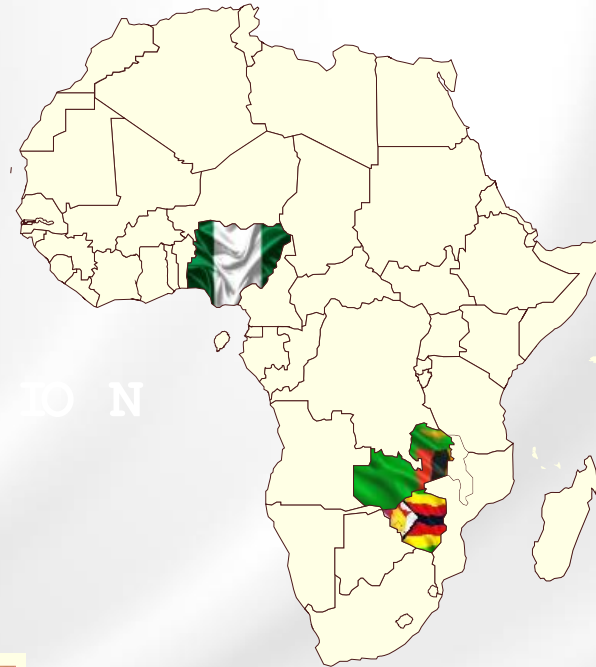
capacity of 105 MW and produce around 1,000 gigawatt-hours of electricity annually, benefiting 70,000 rural residents and 300,000 small businesses.

This development showcases the existence of international donor involvement in clean energy projects in Kenya.

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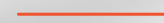
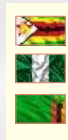
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**On this week's Africa Energy
Transition Watch are:**

1. Zimbabwe
2. Nigeria
3. Zambia



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On this week's African Energy Transition Watch are **Zimbabwe, Nigeria and Zambia**

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
	1. ZIMBABWE³⁰⁰
Level of deployment of clean energy technologies / Existence of International Donor Involvement	GridAfrica and Huawei have partnered to install 72 MW of solar power infrastructure to support Zimbabwe's mining sector. The partnership aims to alleviate pressure on the national grid and lower operational costs for mining companies in the country. The initiative will optimize energy usage, provide sustainable power source to the mining sector and also create over 1000 direct jobs and nearly 4000 indirect employment opportunities for local Zimbabweans.

³⁰⁰ <https://energycapitalpower.com/gridafrika-huawei-launch-72-mw-solar-project-in-zimbabwe/>

	This development showcases an increase in the level of deployment of clean energy technology in Zimbabwe.
2. NIGERIA³⁰¹	
Level of deployment of clean energy technologies / Energy Access	<p>A 100KwP solar hybrid mini-grid has been commissioned by the Rural Electrification Agency (REA) of Nigeria to provide electricity to multiple households and businesses in Uhuafor Nomeh, Enugu State.</p> <p>The project is set to serve more than 3,000 members of the community, which has been reportedly without electricity for over 18 years.</p> <p>This development showcases an increase in the level of deployment of clean energy technology in Nigeria.</p>
3. ZAMBIA³⁰²	
Level of deployment of clean energy technologies	<p>Zambia will receive a \$8 million concessional loan to help build a 25MW solar photovoltaic power plant. The project joins Zambia’s existing solar parks, Bangweulu (54MW) and Ngonye (34MW), all of which have been operational since 2019, in addition to 200MW solar plant currently under development in Serenje.</p> <p>This development showcases the existence of international donor involvement in clean energy projects in Zambia.</p>

³⁰¹ <https://www.esi-africa.com/news/nigeria-village-gets-power-after-18-years-of-electricity-drought/>

³⁰² <https://www.esi-africa.com/news/zambia-secures-8m-afdb-loan-for-25mw-solar-power-plant/>

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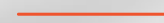
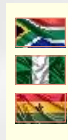
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**On this week's Africa Energy
Transition Watch are:**

- 1. South Africa**
- 2. Nigeria**
- 3. Ghana**



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On this week's African Energy Transition Watch are **South Africa, Nigeria , And Ghana**

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
Existence of International Donor Involvement in Renewable Energy Projects	1. SOUTH AFRICA³⁰³
	Russia's state nuclear company Rosatom has signed a memorandum with South Africa's AllWeld Nuclear and Industrial to collaborate on nuclear decommissioning and radioactive waste management. The agreement focuses on developing infrastructure for processing, storing, and disposing of radioactive waste in South Africa. This partnership is expected to enhance technical and commercial expertise in nuclear facility decommissioning, paving the way for joint projects in South Africa and beyond. This reflects growing South African interest in advanced nuclear waste solutions.

³⁰³ <https://www.esi-africa.com/industry-sectors/asset-maintenance/russia-signs-nuclear-waste-agreement-with-sa-company/>

	This development showcases the existence of international donor involvement in renewable energy projects in South Africa.
2. NIGERIA³⁰⁴	
Existence of International Donor Involvement/ Level of deployment of clean energy technologies	<p>InfraCredit has secured a \$30 million investment from the British International Investment (BII) to support decentralised renewable energy (DRE) projects in Nigeria. The facility includes a \$20 million local currency counter-guarantee and \$10 million in concessional financing through the Climate Finance Blending Facility (CFBF), aimed at mobilising additional capital for clean energy. The funds will co-finance investments in mini-grids, solar-powered telephony, and other DRE solutions alongside InfraCredit's local currency guarantees.</p> <p>This development showcases the existence of international donor involvement and an increase in the level of deployment in clean energy projects in Nigeria.</p>
3. GHANA³⁰⁵	
Existence of International Donor Involvement/ Legal provisions for promoting climate change and policies on carbon trading	<p>Ghana recently mobilized \$800 million through carbon credit trading, primarily with Switzerland and Sweden, under Article 6 of the Paris Agreement. This funding supports projects aimed at reducing deforestation and forest degradation emissions, part of Ghana's broader strategy to cut greenhouse gas emissions by 43% since 2021. President Akufo-Addo emphasized the need for continued financial support for sustainable development in Africa, particularly for climate resilience and reducing environmental impacts.</p> <p>This development showcases the existence of international donor involvement and Legal provisions for promoting climate change and policies on carbon trading in Ghana.</p>

³⁰⁴ <https://theelectricityhub.com/infacredit-secures-a-30-million-investment-from-the-british-international-investment-bii-to-support-decentralised-renewable-energy-projects/>

³⁰⁵ <https://theelectricityhub.com/ghana-mobilised-800m-through-carbon-credit-trading-akufo-addo/>

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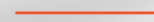
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**On this week's Africa Energy
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1. South Africa
2. Senegal
3. DRC



AFRICA ENERGY TRANSITION WATCH

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On this week's African Energy Transition Watch are **South Africa, Senegal , And DRC**

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
	1. SOUTH AFRICA³⁰⁶
Level of deployment of clean energy technologies	Teraco has begun constructing a 120MW solar plant in South Africa's Free State province, aimed at powering its energy-intensive data centers with sustainable electricity. Once operational in 2026, the plant will produce around 354,000 MWh annually, reducing reliance on traditional energy sources and supporting environmental goals. The project, managed by Juwi and Subsolar, highlights Teraco's commitment to renewable energy

³⁰⁶ <https://energycapitalpower.com/teraco-starts-construction-on-120mw-solar-project-for-data-centers-in-south-africa/>

	<p>for its operations, especially in cloud and AI solutions. The initiative aligns with broader strategies for energy resilience and carbon footprint reduction in the tech sector.</p> <p>This development showcases the Level of deployment of clean energy technologies in South Africa.</p>
<p>2. SENEGAL³⁰⁷</p>	
<p>Existence of International Donor Involvement/ Level of deployment of clean energy technologies</p>	<p>Axian Energy secured €84 million for Senegal’s Kolda Project, featuring a 60MW solar power plant and a 72MWh battery storage system. The project, slated for completion by 2026, will deliver clean electricity to approximately 25,000 households, benefiting 235,000 residents in the Casamance region. This effort supports Senegal’s renewable energy goals and enhances grid reliability. Funded by FMO, DEG, and the Emerging Africa & Asia Infrastructure Fund, the project is a significant step towards sustainable energy development in West Africa.</p> <p>This development showcases the existence of international donor involvement and an increase in the level of deployment in clean energy technologies in Senegal.</p>
<p>3. DRC³⁰⁸</p>	
<p>Existence of International Donor Involvement/ Level of</p>	<p>Tinda Energy and Chinese engineering company, Complant signed a partnership for the Ignié 2021-2046 renewable energy project in the Republic of Congo. The initiative includes a 65 MW hybrid system generating 55 MW from solar power and 10 MW from</p>

³⁰⁷ <https://theelectricityhub.com/axian-energy-secures-e84-million-for-storage-deal-in-senegal/>

³⁰⁸ <https://energycapitalpower.com/tinda-energy-complant-sign-agreement-for-congolese-renewable-project/>

deployment of clean energy technologies	biomass, located in the Ignié Special Economic Zone. Covering 100 hectares, the project aims to supply energy to industrial zones and enhance the national grid. Completion is targeted within 18 months of equipment delivery. This development showcases the existence of international donor involvement and Level of deployment of clean energy technologies in DRC.
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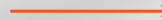
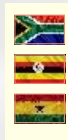
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**On this week's Africa Energy
Transition Watch are:**

- 1. South Africa**
- 2. Uganda**
- 3. Ghana**



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, particularly focusing on Renewable Energy 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, Existence of international donor involvement in RE projects, etc.

On this week’s African Energy Transition Watch are **South Africa, Uganda, And Ghana**

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
	1. SOUTH AFRICA³⁰⁹
Level of deployment of clean energy technologies	Charge, formerly known as Zero Carbon Charge, has opened South Africa’s first off-grid, solar-powered electric vehicle (EV) charging station in Wolmaransstad, Northwest Province. This station is part of an ambitious plan to establish a nationwide network of 120 solar-powered charging facilities, strategically placed at 150 km intervals on major highways. The network aims to provide sustainable, off-grid EV

³⁰⁹ <https://theelectricityhub.com/south-africa-switches-on-its-first-solar-ev-charging-station/>

	<p>charging options and will generate income for landowners hosting the facilities, who will receive 5% of the revenue.</p> <p>This development showcases the level of deployment of clean energy technologies in South Africa.</p>
2. UGANDA³¹⁰	
Existence of Renewable Energy (RE) mix dynamics/ Legal provisions for promoting climate change and policies on carbon trading	<p>Uganda launched its Alliance for Climate Forestry Compensation Strategy at COP29 in Baku, Azerbaijan, as part of its broader climate resilience efforts. The strategy aims to offset emissions from the country's growing energy sector, especially its developing oil and gas projects. Through forestry projects such as afforestation, reforestation, and reducing deforestation (REDD+), Uganda plans to generate carbon credits, contributing to both environmental sustainability and the global carbon market.</p> <p>This development showcases the existence of Renewable Energy (RE) mix dynamics and Legal provisions for promoting climate change and policies on carbon trading in Uganda.</p>
3. GHANA³¹¹	
Level of deployment of clean energy technologies	<p>Ghana's President Nana Addo Dankwa Akufo-Addo recently inaugurated the Bridge Power Plant, a 200 MW facility aimed at boosting the country's energy supply. Located in Tema, this plant is Africa's largest liquefied petroleum gas (LPG)-fuelled power plant and has been constructed by Early Power Limited. It operates using combined-cycle technology, enabling efficient electricity generation from multiple fuel</p>

³¹⁰ <https://theelectricityhub.com/uganda-unveils-forestry-strategy-to-tackle-carbon-emissions/>

³¹¹ <https://theelectricityhub.com/ghana-president-commissions-200mw-bridge-power-station/>

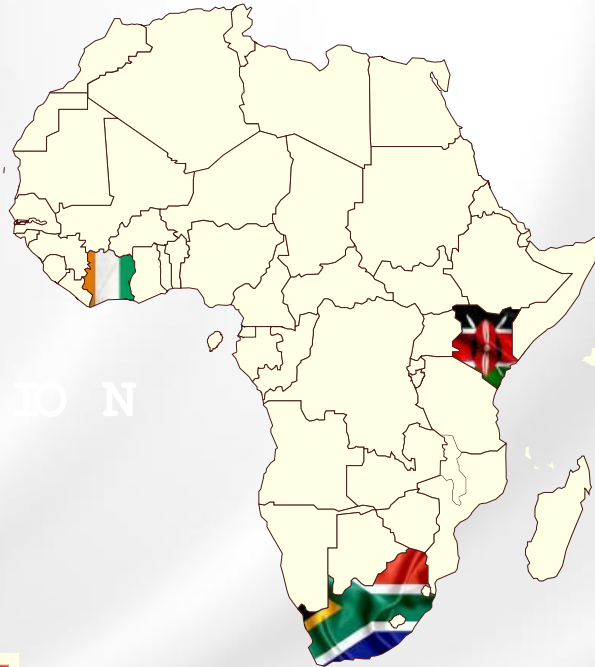
sources, including LPG, natural gas, and diesel. The commissioning of this power station is expected to enhance Ghana's energy reliability, support industrial growth, and foster economic development by addressing electricity supply challenges.

This development showcases the level of deployment of clean energy technologies in Ghana.

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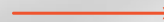
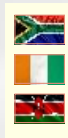
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2. Cote d'Ivoire
3. Kenya



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On this week's African Energy Transition Watch are **South Africa, Côte d'Ivoire, And Kenya**

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
1. SOUTH AFRICA ³¹²	
Existence of International Donor Involvement in Renewable Energy Projects	<p>Mulilo, a South African renewable energy company, has secured funding for a 75 MW solar power project in the Northern Cape region. This project is part of South Africa's efforts to increase renewable energy generation and aligns with the Renewable Energy Independent Power Producer Procurement Programme (REIPPPP). The solar farm is expected to contribute significantly to the region's power needs, while supporting the country's energy transition goals.</p> <p>This development showcases the existence of international donor involvement in renewable energy projects in South Africa.</p>

³¹² <https://theelectricityhub.com/mulilo-secures-funding-for-75-mw-solar-project/>

2. CÔTE D'IVOIRE³¹³	
Existence of International Donor Involvement/ Level of deployment of clean energy technologies	<p>Côte d'Ivoire has secured €15 million in funding from the European Union to advance its renewable energy initiatives. This support is part of a broader EU strategy to foster green energy transitions across Africa, focusing on sustainable development and reducing carbon emissions. The funding aligns with Côte d'Ivoire's goal to generate 45% of its energy from renewable sources by 2030, emphasizing projects such as solar and biomass energy development. These initiatives aim to enhance energy security, support rural electrification, and contribute to regional power export capabilities.</p> <p>This development showcases the existence of international donor involvement and an increase in the level of deployment of clean energy technologies in Côte d'Ivoire.</p>
3. KENYA³¹⁴	
Existence of International Donor Involvement/ Renewable Energy (RE) mix dynamics	<p>Solarise Africa and RUBiS Energy Kenya have launched a joint venture, RUBiSOL, to provide renewable energy solutions for businesses in East Africa. This initiative will focus on decentralized solar energy systems aimed at addressing energy reliability challenges, high costs, and reducing carbon emissions. Solarise Africa brings its expertise in renewable energy projects, having implemented 79 systems with a total capacity of 24 MWp across Africa, while RUBiS Energy Kenya contributes its extensive market presence and infrastructure. The partnership will target commercial and industrial clients, offering affordable and sustainable energy solutions. RUBiSOL also plans to install solar systems at RUBiS service stations and depots as part of its decarbonization efforts.</p> <p>This development showcases the existence of international donor involvement and Renewable Energy (RE) in the energy mix dynamics in Kenya.</p>

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³¹³ <https://theelectricityhub.com/cote-divoire-wins-e15m-eu-deal-for-green-energy-push/>

³¹⁴ <https://theelectricityhub.com/solarise-africa-rubis-energy-launch-green-energy-venture/>

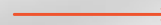
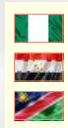
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2. Egypt
3. Namibia



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On this week's African Energy Transition Watch are **Nigeria, Egypt and Namibia**.

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
	1. NIGERIA³¹⁵
Level of deployment of clean energy technologies	<p>Lagos State will establish a \$90,000 biogas plant at the Ikosi Fruit Market to convert organic waste into biogas, improving cold storage and market lighting.</p> <p>This project aims to reduce food spoilage, mitigate methane emissions, and improve the livelihoods of over 1,000 traders, 80% of whom are women.</p> <p>While the primary goal is to reduce methane emissions, the project will also benefit market traders by providing a cold storage facility that helps keep produce fresher for longer.</p> <p>This development showcases an increase in the level of deployment of clean energy technology in Nigeria.</p>

³¹⁵ <https://theelectricityhub.com/lagos-state-will-establish-a-90000-biogas-plant-at-the-ikosi-fruit-market-to-convert-organic-waste-into-biogas/>

2. EGYPT³¹⁶	
Level of deployment of clean energy technologies/ Existence of International Donor Involvement	<p>The African Development Bank (AfDB) has granted \$170 million to Egypt's 1.1 GW Suez Wind Energy project, a key step in the country's expansion of renewable energy. This will enhance Egypt's energy capacity, while reducing its reliance on fossil fuels.</p> <p>The Suez Wind Energy project will create jobs and drive economic growth.</p> <p>This development showcases an increase in the level of deployment of clean energy technology in Egypt.</p>
3. NAMIBIA³¹⁷	
Level of deployment of clean energy technologies/ Existence of International Donor Involvement	<p>Swedfund and IFU invested \$44 million to support industrialization and sustainable energy in Southern Africa. Sturdee Energy and Frans Indongo secured \$28 million in financing for two 10 MW solar projects in Namibia, for a total of 20 MW. Both plants will use Tier 1 solar equipment, ensuring high efficiency and reliability and have long-term agreements with NamPower, Namibia's national utility, ensuring grid integration. The projects will generate 59,320 MWh of renewable energy annually, reducing carbon emissions by 56,354 tons of CO2 equivalent.</p> <p>This development showcases an increase in the level of deployment of clean energy technology in Namibia.</p>

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³¹⁶ <https://theelectricityhub.com/afdb-invests-170m-in-egypts-suez-wind-power/>

³¹⁷ <https://theelectricityhub.com/sturdee-energy-lands-28m-for-namibia-solar-push/>

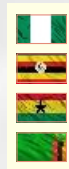
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3. Ghana
4. Zambia



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On this week's African Energy Transition Watch are **Nigeria, Uganda, Ghana and Zambia**.

Energy Transition Indicator(s)	Energy Transition Development(s) across Africa
Existence of International Donor Involvement in Renewable Energy Projects/ Level of potential for attracting investment in Clean Energy Technologies	1. NIGERIA ³¹⁸
	The Small and Medium Enterprises Development Agency of Nigeria (SMEDAN) has partnered with Rolling Energy to convert 100,000 vehicles to Compressed Natural Gas (CNG) within 18 months. This initiative aims to reduce operational costs for small and medium enterprises (SMEs) and promote cleaner energy in Nigeria. The CNG Conversion and Training Centre in Abuja, capable of converting up to nine vehicles daily, will also train young Nigerians in CNG maintenance, fostering new business opportunities. This effort aligns with the goal of the Presidential CNG Initiative to convert one million vehicles to CNG, leveraging Nigeria's abundant natural gas reserves to drive economic growth and environmental sustainability.

³¹⁸ <https://theelectricityhub.com/smedan-partners-with-rolling-energy-to-convert-100000-vehicles-to-compressed-natural-gas-cng-within-18-months-reducing-costs-for-smes/>

	This development showcases the existence of international donor involvement in renewable energy projects and level of potential for attracting investment in Clean Energy Technologies in Nigeria.
2. UGANDA³¹⁹	
Level of deployment of clean energy technologies	<p>Electrify Africa, an initiative by Simba Innovative Limited, has launched electric mobility solutions in Kampala, Uganda, introducing a community-driven model that enables individuals and local businesses to invest in and own electric vehicle (EV) chargers. This approach aims to create a community-owned EV charging network, fostering economic empowerment and environmental sustainability. By making electric mobility accessible and sustainable, Electrify Africa seeks to transform Uganda's transportation landscape and stimulate local economic growth.</p> <p>This development showcases the existence of international donor involvement and an increase in the level of deployment in clean energy technologies in Uganda.</p>
3. GHANA³²⁰	
Level of deployment of clean energy technologies	<p>The Bui Power Authority (BPA) in Ghana's Bono Region has inaugurated a 45-megawatt (MW) solar project, enhancing the nation's renewable energy capacity. This project comprises a 40MW land-based solar plant and a 5MW floating solar farm on the Bui Dam Reservoir—the largest of its kind in Africa. Additionally, construction is underway for an extra 10MW floating solar facility. BPA's Chief Executive Officer, Samuel Kofi Dzamesi, emphasized that these initiatives align with Ghana's goal to achieve 10% renewable energy in its mix by 2030, aiming to reduce reliance on fossil fuels and bolster energy resilience in the northern regions. The Authority also unveiled a new multi-purpose office complex, the "Fred Oware Block," designed with sustainability features like solar panels and energy-efficient systems to optimize energy consumption.</p> <p>This development showcases the level of deployment of clean energy technologies in Ghana.</p>

³¹⁹ <https://theelectricityhub.com/electrify-africa-launches-electric-mobility-solutions-in-uganda/>

³²⁰ <https://theelectricityhub.com/bui-power-authority-in-ghana-inaugurates-45mw-solar-projects/>

	4. ZAMBIA³²¹
Existence of International Donor Involvement in Renewable Energy Projects/ Level of potential for attracting investment in Clean Energy Technologies	<p>CEC Renewables, a subsidiary of Copperbelt Energy Corporation, has secured \$96.7 million through a green bond to expand Zambia's Itimpi Solar Power Station. This funding will add 136 megawatts (MW) to the existing 60MW capacity, bringing the total to 196MW. The bond, arranged by Cygnum Capital and underwritten by Stanbic Bank Zambia, attracted international investors including FMO and the Dutch Development Bank. This expansion aims to diversify Zambia's energy mix, reducing its heavy reliance on hydropower—which constitutes 83% of the nation's electricity generation—and mitigating power shortages caused by droughts.</p> <p>This development showcases the existence of international donor involvement in renewable energy projects and level of potential for attracting investment in Clean Energy Technologies in Zambia.</p>

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³²¹ <https://theelectricityhub.com/cec-secures-96-7m-for-zambias-solar-growth/>