

SOME OF MINEE ACTIONS IN 2024





MINISTRY OF WATER RESOURCES AND ENERGY



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Introductory remarks





s part of the implementation of government policy on the production, transport and distribution of water and energy, and despite a challenging socio-economic and budgetary context linked to the deterioration of the world

economy as a result of the Russian-Ukrainian crisis, the Ministry of Water and Energy has been able to carry out the following major actions with a view to improving not only the living environment of the population but also meeting the needs of industrialisation.

In 2024, the following key events had a positive impact on the Water and Energy subsector:

- the commissioning of equipment and facilities for the Project to supply Drinking Water to the city of Yaoundé and its surroundings from the Sanaga River (PAEPYS);
- the commissioning of the first four units of the Nachtigal hydroelectric scheme; and
- the full commissioning of the Lom Pangar dam toe plant;
- the effective start of activities in the transmission-distribution priority action plan of the Cameroon Electricity Sector Recovery Plan (CESRP);
- the adjustment of the subscribed power of the State's Medium Voltage (MV) subscribers from 56 MW to a reasonable power of 17 MW; resulting in the first financial savings on the State's electricity bill.

As far as electricity production is concerned, on 10 May 2024 I presided over the ceremony to inject the first megawatts of elec-

s part of the implementation of government on the producansport and disn of water and , and despite a

> As for transmission, we visited the corridor of transmission lines from the Nyom substation in Yaoundé up to Douala, to check their synchronisation by assessing the timing to evacuate the energy generated at Nachtigal and to substantially reduce the inconvenience that the population is currently experiencing as a result of the production deficit or inadequate transmission infrastructure.

> In the field of renewable energies, in this case solar energy, the second phase of construction of a solar power plant with an additional capacity of 28.6 Megawatt-peak with 19.2 MWh of storage is underway in the North and Far North regions. Work on these plants is scheduled to start in January 2025. It should be recalled that as part of the implementation of solutions prescribed by the HEAD OF STATE to improve electricity supply in the Northern Interconnected Grid (NIG), two modular photovoltaic solar power plants with a total capacity of 35.8 Megawatt-peak (MWp) were installed in Maroua and Guider, and officially commissioned on 22 September 2023.

> In the same vein, I commissioned the BINDOUMBA photovoltaic solar power plant. This plant is part of the project to electrify 200 localities using solar photovoltaic systems, phase 2 - 87 localities. Work is in progress on 79 of the 87 sites.

In the drinking water sector, the PAEPYS was officially commissioned on 20 August 2024. The aim of this project is to inject 300,000 m3/ day, extendable to 400,000 m3/day, in the city of Yaoundé and its surroundings.



fruit of an ambitious major investment, is the response to a crucial need of the population. Through the PAEPYS, we have a production capacity that far exceeds demand. So we are now in a position to cover the entire city of Yaoundé and its surroundings, especially towns like Obala and Batchenga.

To date, all the high points in the city of Yaoundé have been supplied and the Damas, Etoudi and Mendong neighbourhoods, which could no longer see the precious liquid flowing, have been supplied. To ensure the smooth integration of The PAEPYS water into the current CAMWATER distribution network, THE HEAD OF STATE has instructed the implementation of a project to reconfigure the Yaoundé city network.

As part of this project, new pumping and recovery stations will be built, new storage reservoirs will be constructed, secondary and tertiary networks will be extended, and at least 100,000 new households will be connected. As of November 2024, the process to contract the companies in charge of the work is in progress.

While waiting for this work to be implemented, the PRESIDENT OF THE REPUBLIC has decided to grant CAMWATER a special allocation of 10 billion CFAF to carry out urgent work so as to reach as many people as possible living in the outskirts of Yaoundé and even the suburbs. This includes the construction of approximately 100 km of pipes and 200,000 new connections, which will cover the additional needs of at least 1,000,000 inhabitants of Yaoundé and its surroundings before the end of 2025.

Over the course of the year 2024, which is now almost over, MINEE has had a positive impact on both the population and industry in our country through the implementation of its projects.

In terms of prospects in the water sector, the

This 'presidential' project, which is the year 2025 will be marked by the completion of due diligence prior to the start of the mega-project to supply drinking water to the city of Douala and its surroundings from the Wouri river. This project, like the PAEPYS, is designed to boost production in Douala and its surroundings with an additional volume of 400,000 m3/day.

> We will also continue to implement the second phase of the project to improve drinking water supply in nine (09) cities, covering Maroua, Garoua-Boulaï, Dschang, Garoua and Yabassi.

> As for the project to rehabilitate 350 SCANWA-TER stations, the maturation process will be finalised with a view to actually starting work in 2025.

> In the electricity sector, 2025 will be marked by the full commissioning of the Nachtigal dam at the beginning of the year, with a total injection of 420 MW into the Southern Interconnected Grid.

> To ensure that the greatest numbers of Cameroonians benefit from the energy that will be produced, the Electricity Sector Recovery Plan provides for the creation of 130,000 new connections by 2025, the replacement of 10,000 wooden poles with concrete poles, the migration of 250,000 post-paid meters to prepaid meters and the installation of metering points in administrative buildings.

> In terms of energy production, the KIKOT hydroelectric dam construction project will make significant progress, with the start of work in 2025.

> Similarly, work on the project to interconnect our country's southern and northern networks will be stepped up, with the aim of turning our network into a single electricity grid.

> As regards the development of energy supply from solar power, in 2025 construction work will start on two new modular solar power

Introductory remarks



plants with an additional capacity of 28 Megawatt-peak in Maroua and Guider. These are extensions to the first two solar power plants in Maroua and Guider, which were commissioned last year and are already helping to secure energy supply in the northern part of the country.

In addition to the projects mentioned above, several others aimed at improving access to water and energy for the rural population will continue as part of our 2025 roadmap. 2025 will have a greater impact on these various targets with the commissioning of several structuring projects. We remain focused on the instructions given by the President of the Republic in his inaugural speech on the occasion of his swearing-in ceremony on 06 November 2018, which stated:

*'...*However, we will not stop at that. We will continue to exploit all the available sites and rivers in order to transform Cameroon into a major electricity producer on our continent. We will also pay attention to rural areas by progressively providing them with solar energy plants'.



HYDROPOWER DEVELOPMENT PROJECTS





HYDROPOWER DEVELOPMENT PROJECTS Lom Pangar plant at dam toe, substation and evacuation line construction project (30MW)



Construction work on the powerhouse at dam toe has been completed. The fourth and final turbine was installed in October 2024, raising the total installed capacity to 30 MW.











The Nachtigal Amont hydroelectric project (420 MW)

HYDROPOWER DEVELOPMENT PROJECTS

he year 2024 was marked by the start of production at this major facility, with the commissioning of its first four generating units in May, August, September and November 2024 respectively. The commissioning of these four generating units resulted in 240 MW of additional power being injected into the Southern Interconnected Grid (SIG), thereby increasing production supply.

The full commercial commissioning of the infrastructure is scheduled for January 2025, for a total injection of 420 MW into the SIG.





HYDROPOWER DEVELOPMENT PROJECTS



The Kikot hydroelectric development project (500 MW)

An agreement for the joint development of this project was signed on 25 June 2021 between Electricité de France (EDF) and the Government of Cameroon. During the year 2024, the project's technical, environmental and social assessments continued and are due to be completed by the end of the year, with a view to starting work in 2025.

The Minkouma hydroelectric development project (300 MW)

ollowing the signing of the memorandum of understanding with CAM-HYDRO for the development of this facility in BOT mode, the technical and environmental studies are underway. In addition, the Joint Development Agreement for the project was signed on 5 November 2024. This Agreement defines

the respective powers and obligations of the Government and the partner CAM-HYDRO and specifies their commitments and responsibilities during the project development phase, prior to the construction and operation phases of the scheme.

The Bini à Warack hydroelectric and solar power project (90 MW)

The partner SAVANNAH Energy is currently proceeding with the legal, technical and financial structuring of the project, as well as discussions with financial backers.





IN THE TRANSMISSION SEGMENT



IN THE TRANSMISSION SEGMENT The project to upgrade electricity transmission networks and reform the sector (PRRTERS)



his project resulted in the construction of a 225 kV substation at Nyom 2, designed to evacuate the energy generated at Nachtigal into the SIG. The construction of other facilities continued throughout 2024, with commissioning scheduled for May 2025.







IN THE TRANSMISSION SEGMENT

ork on phase 1 (substation section) started on 30 November 2023. To date, the physical execution rate is around 7%, the execution studies are validated to the tune of 50%, and the geotechnical and topographical studies for the electricity substations have been completed.



The project to reinforce and stabilise the electricity networks in the city of Yaoundé

s of November 2024, the rate of completion of work to extend the Ahala, Ngousso and Oyomabang transformer substations is around 97%; the new 225 kV substation at Edéa has been completed; the rate of completion of the Ahala-Nkolanga-Kondengui line is around 60%; and compensation has been paid.





AUTRES PROJETS DU DOMAINE DU TRANSPORT DE L'ÉLECTRICITÉ



The construction of the 400 kV Nachtigal-Bafoussam transmission line

Earthworks and geotechnical studies have been completed. In the long term, this line will secure power supply to the West, Littoral and North-West regions and contribute to the completion

of the Southern Interconnected Grid. In the long term, it will facilitate electricity interconnection with Nigeria.

The Cameroon-Chad Power Grid Interconnection Project (PIRECT)

The first stage of this project is to evacuate the electrical energy produced by the Nachtigal dam to the northern regions via the interconnection of the southern and northern grids, with the objective of turning our network into a single electricity grid. In a second phase, this project will contribute to interconnection with Chad. To date, the project management unit has been set up and its staff appointed, as has the Inter-State Committee co-chaired by the Cameroon and Chad energy ministers and the Joint Technical Committee. The contractors for the line works have already been recruited and are working in the field. And the financing agreement with the Islamic Development Bank for the construction of the substations was signed on 18 October 2024.





IN THE PETROLEUM PRODUCTS AND GAS SECTOR

The country's supply in petroleum products,

his process continued smoothly. From 1st January to 31st October 2024, a volume of 1,629,479 MT of all products were imported for consumption.

With regard to the refinery support line of

CFAF 47.88 per litre, included in the petroleum products price structure, a sum of approximately CFAF 353 billion had already been deposited into the BEAC accounts as at 31st October 2024 since this levy was introduced.



IN THE PETROLEUM PRODUCTS AND GAS SECTOR

The continuation of the diligence required to rehabilitate SONARA



new emergency consultation procedure was launched on 1st August 2024 to invite bids from at least three (03) internationally renowned specialist firms. This study is expected to highlight the necessity for SONARA to produce

fuels (Super & Gasoil) that are compliant with AFRI 5/AFRI 6 specifications, and fuel oil that is compliant with MARPOL requirements.



IN THE PETROLEUM PRODUCTS AND GAS SECTOR

ollowing the Very High Instructions of the HEAD OF STATE, echoed by correspondence N°492/CF/SG/PR of 14 December 2023, concerning the liberalisation of imports, the Minister of State, Secretary General of the Presidency of the Republic, asked the MINEE to reinstate the CSPH in its role of steering the process of allocating quotas to major Importers in the sector, with the technical and financial profiles to enable them to proceed immediately with imports.

In compliance with these instructions, the CSPH resumed its activities by allocating spots to Importers for the month of February 2023 and launching an Invitation to Tender on 08 January 2024 to supply the country during the months of March to June 2024. Indeed, comparing the results of the Notice of Consultation for the 3rd quarter of 2023 with those of the invitation to tender launched by the CSPH, we can see that, for Super, we have gone from -34.17 USD/TM to 30 USD/TM in Douala and from -33.17 USD/ TM to 5 USD/TM in Limbe, i.e. an increase in premiums of 64.17 USD/TM in Douala and 38.17 USD/TM in Limbe. For diesel, the premium rose from USD 38/MT to USD 66.7/MT in Limbe, i.e. an increase of USD 28.7/MT. Lastly, on Jet A1, the premium rose from USD79.17/MT to USD86.5/MT, an increase of USD7.33/MT.

In February 2024, in order to reduce the shortfall in revenue to be paid by the State to importers of petroleum products, and to give these importers more cash to cover their letters of credit, the Government increased the pump prices of super and diesel by 15%. As a result, the prices of these products rose from CFAF 730/ litre to CFAF 840/litre and CFAF 720/litre to CFAF 828/litre respectively. This price increase has made it possible to introduce an 'infrastructure modernisation' line of 22.5 FCFA/litre into the price structure of petroleum products, with a view to financing major projects for the development of the downstream oil sector.

This increase in the price of petroleum products at the pump, coupled with a fall in the international price of crude oil since the beginning of 2024, has led to stability in the country's supply of petroleum products.

As regards liquefied petroleum gas (LPG), a volume of 136,522 MT had been released for consumption by 30 September 2024, of which around 126,466 MT came from imports.



IN THE PETROLEUM PRODUCTS AND GAS SECTOR



The development of natural gas resources

he natural gas liquefaction floating plant operated by the SNH/PERENCO/GOLAR Consortium, had exported about 1,154,308 MT of liquefied natural gas as at 31st October 2024. Furthermore, its Liquefied Petroleum gas (LPG) production unit supplied a volume of 26,140 MT of this product on the domestic market.



The fight against petroleum products fraud

he fight against petroleum products fraud was stepped up throughout the country, particularly along the main highways. As a result, 564,160 litres of all products were seized as at 31st October 2024.





The construction of new petroleum products storage tanks and pipelines

IN THE PETROLEUM PRODUCTS AND GAS SECTOR

n 2024 the construction works of a 1,000-metricton LPG sphere were completed in Bonaberi.

In addition, the construction of two (02) fuel tanks of 6,500 m3 each, and the revamping of the

fire defense, product pomp and tanker loading station at MBOPPI continued. As at November 2024, the completion rate is estimated at 35%.



IN THE FIELD OF RENEWABLE ENERGIES







The project to develop solar power plants connected to the Northern Interconnected Grid (NIG)

IN THE FIELD OF RENEWABLE ENERGIES

wo modular photovoltaic solar power plants with a total capacity of 35,8 Megawatt peak(MWp) were built in Maroua and Guider and officially commissioned on 22nd September 2023. In 2024, MINEE's action focused on ensuring that the solar power plants were operational and starting the structuring of a second phase for an additional capacity of 28,6 Megawatt peak(MWp) with 19,2 MWh storage





IN THE FIELD OF RENEWABLE ENERGIES



The Ngaoundéré - Massiwol Solar Project

his project consists of the construction of a 30 MWp photovoltaic solar power plant + 20 MWh storage capacity in the Massiwol locality, in the Martap Municipality, Vina Division, Adamawa Region, by GDS ORION SOLAIRE NGAOUNDERE SAS in IPP (Independent Power Producer) mode. The related studies have been completed and a draft power purchase agreement between the Partner and ENEO has been drawn up.

The Ngaoundéré - Malang solar project

his project consists of the construction of a 35 MWp photovoltaic solar power plant + 25 MWh of storage in the locality of Malang (Ngaoundéré), Ngaoundéré 3ème council, Vina Division, Adamawa Region, by the company DANG SOLAR in IPP mode (Independent Power Producer). The preliminary design has been approved, and the detailed design is currently being finalised, especially with regard to the integration studies for the Northern Interconnected Grid and the geotechnical studies, which are currently being carried out jointly with SONATREL and LABOGENIE respectively.

The project to develop two (02) mini hydropower stations in Bafang and Manjo

he feasibility studies for this project were carried out by the United Nations Industrial Development Organisation (UNIDO), respectively on the Mouankeu River in Bafang for a capacity of 3.4 MW, and on the Dibombé River in Manjo for a capacity of 4.6 MW.

In 2024, MINEE carry on actions to secure the land of the project sites. For this

purpose, MINEE mobilised funding from its public investment budget to carry out work for the identification and assessment of the property impacted and the people likely to be affected by the project. The reports of the relevant property identification and assessment committees are still awaited.





The Project for the rural electrification of 1,000 localities using solar photovoltaic systems, 3rd phase: 200 localities (1st phase 87 localities)

IN THE FIELD OF RENEWABLE ENERGIES

o date, the overall technical and financial execution rate is 77%, with a 50% deadline consumption rate. AER is in charge of the public project management.

Work is in progress on 79 of the 87 sites.







The Development of a hydropower station on the Mungo Falls

his project consists of the construction of a 95 MW hydropower station on the Mungo River, in the Koupe-et-Manengouba Division, South-West Region.

In execution of the Esteemed Instructions of the HEAD OF STATE, a Framework Agreement was signed on 21 February 2024 with the company BERKELEY ENERGY, for the development of this project. Summary feasibility studies were conducted. The Prime Minister, Head of Government, approved the issuance of a legal opinion that will facilitate the development of the project without a tendering procedure.



Project to set up a Solar Technology Application Resource Centre(STAR-C)

On a completely different level, particularly in the context of international cooperation in the promotion and development of renewable energies, in 2023 Cameroon benefited from a Resource Centre for Solar Technologies and Applications (STAR-C), granted by the International Solar Alliance (ISA).

Indeed, as part of the activities of the said organisation, whose statutes were ratified by Presidential Decree No. 2022/170 of 23 May 2022, and in accordance with the Very High Agreement of the President of the Republic contained in his correspondence No. A291/SG/PR of 04 August 2022, a memorandum of understanding was signed on 10 January 2023 between MINEE and ASI for the establishment of the said Centre.

As a reminder, STAR-C is a centre for

technology, knowledge and expertise in solar energy, which aims to develop a skilled local workforce, incubate solar energy companies, participate in the standardisation of solar products and the verification of the quality of these products on the domestic market.

In 2024, studies to set up the Centre were carried out with the technical assistance of ASI experts. The building to house it was obtained from MINDCAF after due diligence. The material and technical equipment are fully covered by ASI.

The first batch of equipment arrived at Douala International Airport at the end of September 2024 and is awaiting tax and customs duty exemptions. The rest of the equipment is expected by the end of 2024.



IN THE FIELD OF WATER AND LIQUID SANITATION



The Project to supply drinking water to the city of Yaoundé and its surroundings from the Sanaga River (PAEPYS)



he PAEPYS facilities were commissioned on 20 August 2024 and since then, they have supplied an additional 300,000 m3/day of water, enough to cover the drinking water needs of the population of Yaounde and its surroundings beyond the year 2040.







The mega-project to supply drinking water to the city of Douala and its surroundings from the Wouri River (400,000 m3/day)

IN THE FIELD OF WATER AND LIQUID SANITATION

s was the case for PAEPYS, the PRESIDENT OF THE REPUBLIC has instructed the implementation of a project to supply drinking water to the city of Douala and its surroundings from the Wouri River.

The aim of this project is to boost drinking water production in the city of Douala by providing an additional 400,000 m3/day. To date, the preliminary design and detailed design have been completed, geotechnical assistance with LABOGENIE is ongoing, and the work of the Property Identification and Assessment Committees of the Moungo and Wouri Divisions is ongoing.



The Project to rehabilitate 350 SCANWATER stations throughout the country

he aim of this project is to restore 350 existing SCANWATER stations throughout the country to working order, with the innovation of supplying these stations with solar energy. The first phase of this project, which has been given the go-ahead by MINEPAT, involves 239 SCANWATER stations in six (6) regions of Cameroon namely the Adamawa, East, Centre, South, Littoral and West regions. The related financing agreement is due to be signed with the aim of starting work in 2025.

The Three-year Emergency Plan for Accelerated Economic Growth (PLANUT) - Water component

s of November 2024, 1,794 boreholes and 19 drinking water supply systems have been completed. Discussions are also ongoing on the search for financing for the implementation of phase 3 of the PLANUT, aimed in particular at the construction of 1,926 HPP boreholes in these regions.

IN THE FIELD OF WATER AND LIQUID SANITATION Work on the second (2nd) phase of the Drinking Water Supply Improvement Project for nine (9) cities, financed by Eximbank China



aunched at the end of 2023, work on the second phase of the project to increase drinking water supply in nine (9) cities had reached an overall progress rate of 6% as of November 2024 for all the cities concerned, that is 15% for Maroua, 8% for Garoua and 5% for Garoua-Boulaï, Yabassi and Dschang respectively.

The project will significantly increase water supply in the cities concerned, with a total additional daily production of 107,000 m3.



The project for the construction of hillside dams and agro-sylvo-pastoral developments on the five (5) sites selected for the project to study the mobilisation and harnessing of rainwater through hillside dam reservoirs in the North region (PEMVEP)

he PEMVEP project has enabled preliminary design studies, detailed preliminary design studies and ESIA studies to be carried out for the construction of five (5) hillside dam reservoirs and the development of 1,024 hectares of irrigated land in the North region. These are the Barkehi and Ndjam-Badi sites in the Benue Division, Poli in the Faro Division, Mousgoy and Bassira in the Mayo-Louti Division.

The progress rate as of November 2024 is 30%. Ultimately, the 19.2 million m3 of water mobilised will be used for agricultural, pastoral and fishing activities.

«The drinking water supply project for the city of Yaoundé and its surroundings from the Sanaga River is almost complete. Its upcoming commissioning will make it possible to substantially reduce the drinking water deficit in the city of Yaoundé. »

Message from the **HEAD OF STATE**, His Excellency **PAUL BIYA**, **PRESIDENT OF THE REPUBLIC** to the Nation on December 31, 2023.

« Le Projet d'alimentation en eau potable de la ville de Yaoundé et ses environs à partir du fleuve Sanaga est quasiment achevé. Sa mise en service prochaine, permettra de résorber substantiellement le déficit en eau potable de la ville de Yaoundé »

Message du CHEF DE L'ETAT, Son Excellence PAUL BIYA, PRESIDENT DE LA REPUBLIQUE à la Nation le 31 décembre 2023.

MINISTRY OF WATER RESOURCES AND ENERGY

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