



HAKAN PEAT POWER PLANT TO START PRODUCING ELECTRICITY SOON

2020/2021: MORE THAN 72,000 HOUSEHOLDS WERE PROVIDED WITH SOLAR HOME SYSTEMS

178,221 HOUSEHOLDS WERE CONNECTED TO THE NATIONAL GRID DURING THE YEAR 2020/2021

KAMONYI: CONSTRUCTION OF ELECTRICAL LINE IN 5 SECTORS COMPLETED



REG

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Our Vision

To be the leading regional provider of innovative and sustainable energy solutions for national development

Our Mission

Developing and providing reliable and affordable energy while creating value for our stakeholders

Core Values of REG



Customer Oriented

Serving our customers and ensuring their satisfaction through our culture of excellence



Integrity

We are open, fair and honest with our stakeholders



RESPECT FOR PEOPLE

We respect, empower, recognize and ensure the continuous development of our people.



TEAM WORK

We work together reinforcing our professional capabilities as individuals, teams and operating units



EFFICIENCY

We innovatively achieve more with fewer resources without compromising quality



SUSTAINABILITY

We provide sustainable solutions in a safe environment

1 178,221 HOUSEHOLDS WERE CONNECTED TO THE NATIONAL GRID DURING THE YEAR 2020/2021

In order to accelerate economic development, the Government of Rwanda has set a target to electrify every single household in the country, either by on-grid connection or provision of off-grid solutions.

During the year 2020/2021, a total of 178,221 households were connected to the national grid. Among the connections made last year include 1000 productive users such as Sector and Cell offices, health facilities, schools water pumping stations and markets to name but a few.

Another achievement made last year was to reach 100% of sectors in Rwanda which have access to on grid electricity. As of today, all sectors in Rwanda have access to electricity.

Sectors which didn't have at all access to electricity and were recently connected to electricity include Cyabakamyi Sector in Nyanza District, Rwaniro in Huye District, Mugano, Musange and Nkomane Sectors of Nyamagabe District, Mutuntu in Karongi, Nyabirasi in Rutsiro, Gasange in Gatsibo, Ndego in Kayonza as well as Kibangu Sector in Muhanga District.

Apart from electrification projects, there are other ongoing projects aimed at upgrading and renovating existing networks to ensure stability of power supply. Among these projects include the upgrade of the distribution network in the Eastern Province from "Single phase" to "Three Phase". There is another



project which was recently completed in Rubavu District which upgraded the existing network and improved the quality of power supply in the area.

Projects to build new power substations to accelerate electricity access are also ongoing. In Nyabihu District, a new substation is nearing its completion. It will improve the quality of power supply in Nyabihu District as the area has industries and other businesses that need to consume a high amount of power. Nyabihu Substation will also supply electricity to bordering Districts inter-alia Musanze, Ngororero and Rubavu.

Bugesera substation is also complete in Bugesera District. This substation will improve the quality of power supply in Bugesera and supply electricity to Bugesera Airport and industrial zone.

Statistics indicate that in Rwanda, households which have access to electricity have increased up to 65,4%.

2 RBF CLEAN COOKING, A NEW SUBSIDIES PROGRAM TO ENABLE 500,000 HOUSEHOLDS TO BUY IMPROVED COOKING STOVES



In a move to support the Government of Rwanda's target of reducing the percentage of households that use firewood for cooking from a baseline value of 79.90% in 2017 to 42% by 2024, The Ministry of Infrastructure through the Rwanda Energy Group (REG) in its subsidiary company in charge of energy development (EDCL), in collaboration with the Development Bank of Rwanda (BRD) has launched a Clean Cooking Results-based Financing (CC-RBF) subsidy scheme.

The subsidy is designed to address the affordability of clean cooking technologies through the reduction of system prices at varying amounts allocated for Ubudehe 1, 2, and 3 categories, and aiming to reach up to the lowest income population in Rwanda.

The subsidy window is co-financed by the World Bank's Clean Cooking Fund through Rwanda Energy Access and Quality Improvement Project (EAQIP). The CC-RBF expects to trigger at least 500,000 households (of which 25% are supposed to be female-headed households) gain access to clean cooking technologies.

The project will support both urban and rural households. In urban areas, the focus will be to reduce and eventually phase out charcoal as a cooking fuel and replace it with clean cooking solutions. In rural areas, the focus will be on reducing the reliance on firewood as a cooking fuel, by gradually introducing more efficient solutions.

The subsidies are expected to be calculated depending on the Ubudehe level and the type of stove purchased. The lower the Ubudehe category, the higher the subsidy.

A call has been made to all clean cooking companies inviting interested companies or cooperatives that supply improved cooking stoves, pellets, briquettes or Liquefied Petroleum Gas (LPG) appliances in Rwanda to express interest of cooperation with EDCL.

All eligible clean cooking technologies will be tested, evaluated, and certified by the stove testing lab of the Rwanda Standards Board based on the established performance criteria. All companies with successful technologies will sign an agreement with the BRD to be included in CC RBF project.

3 2020/2021: MORE THAN 72,000 HOUSEHOLDS WERE PROVIDED WITH SOLAR HOME SYSTEMS

During the financial year 2020/2021, a total of 72,202 households in Rwanda got electricity thanks to solar home systems.

These together with the 178,221 households which were connected to the grid during the last year, increase the current access to electricity in Rwanda to 65,4% including households connected to the grid and those using off-grid solutions.

In a bid to reach Rwanda's ambitious target of universal access to electricity by 2024, a new subsidy has been set up to enable poor households located in off-grid areas

to afford the prices of solar home systems, through the reduction of prices for the systems at varying amounts allocated to Ubudehe 1, 2, and 3 categories with the aim of reaching the lowest income population in Rwanda.

29.24 billion Rwandan Francs (US\$ 30 million) subsidy window is funded by the World Bank and is expected to trigger at least 370,000 off-grid connections. It is expected that this facility will enable the electrification of rural households using off-grid solutions.

James Twesigye, the Head of off grid solutions at Energy Development Corporation Ltd (EDCL) , a subsidiary company of Rwanda Energy Group (REG), said that subsidies will differ depending on the Ubudehe categories and the capacities of the solar home systems.

"We encourage all the people residing in off-grid areas to take advantage of this opportunity and get electricity. They just have to contact solar home systems vending companies operating in their areas and select the systems they need depending on the financial capacity".



He said that the subsidy program has already started and that REG is currently raising awareness to inform the citizens and encourage them to take advantage of it.

"We are happy of the willingness of citizens to join the program. Already more than 21,000 have benefited from it and we expect to reach to more than 350,000 households in the country".

He also emphasized on the role of the local government institutions to encourage citizens to take advantage of the subsidy program.

"We've already made tours in Districts explaining this to local leaders and seeking their support to raise awareness of citizens on this Government subsidy program to enable every Rwandan get electricity at a low cost". Said Twesigye.

Statistics indicate that in Rwanda, households which have access to electricity have increased up to 65,4%.

4 HAKAN PEAT POWER PLANT TO START PRODUCING ELECTRICITY SOON



The Hakan power plant producing electricity from peat located in Mamba Sector, Gisagara District, is about to start generating electricity in its first phase where it will provide 40 Megawatts.

Construction of the plant will be completed before the end of 2021, which will provide 80 megawatts, but on June 09, 2021, it has started its testing and supplying 40 megawatts of electricity in the first phase.

Dominique Gubbini; The construction manager of the Hakan power plant says the construction of the plant will be completed at a cost of more than four hundred million dollars (\$ 400,000,000) which is about four hundred billion Rwandan francs.

Gubbini says the plant has traditionally started supplying electricity since January 2021, but has been slow due to problems caused by the effects of Covid-19, where construction materials have sometimes been delayed to be delivered in Rwanda from firms outside the country.

Gubbini added that the completion of the plant and its installation on the main grid could lead to a reduction in electricity prices as electricity from peat is less expensive than water or fuel.

The plant will provide electricity through the Mamba power substation, as well as Rwabusoro substation in Nyanza District and Ririma in Bugesera for public access.

In addition to providing electricity, the factory has provided employment to the residents of Gisagara District, where it started employing more than 2,000 workers but is now being completed and employs more than 500 workers.

In order to accelerate economic development, the Government of Rwanda has set a goal that every Rwandan will have access to electricity by 2024.

Currently around 65,4% households have accessed electricity in Rwanda.

5 CONSTRUCTION WORKS AT NYABIHU SUBSTATION NEAR COMPLETION



The Rwanda Energy Group (REG) announces that the construction of the Nyabihu Electrical substation is nearing completion and this substation will start supplying electricity to households in Nyabihu District and surrounding districts.

Construction works at Nyabihu substation began in July 2019 and will be completed by the end May 2021.

The substation was built in Ruzuba Village, Rugeshi Cell, Mukamira Sector in Nyabihu District, and is the first substation to be completed in the District and will help residents of Nyabihu District and nearby Districts including Rubavu, Rutsiro, Ngororero and Musanze get uninterrupted power supply.

Mutsindashyaka Martin; The Branch Manager of REG in Nyabihu, said that the completed substation will reduce the length of electrical lines, as residents of Nyabihu and nearby areas were complaining of power cuts due to long

lines. He also said that the electricity Nyabihu Residents was accessing was from the Camp Belge substation in Musanze, resulting in a massive power outage due to the length of the network.

This substation will also help many industries under construction in the area to get enough electricity.

He went on by saying that this will reduce the losses the company could suffer as a result of power cuts due to the length of the electrical line from Musanze to Nyabihu.

Nyabihu district now has more than 52% of households with access to electricity.

In order to accelerate economic development, the Government of Rwanda has set a goal that every Rwandan household will have access to electricity by 2024. So far REG statistics show that more than 65.4% of the households has accessed electricity in Rwanda.

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BURERA: NEW DISTRIBUTION LINE UNDER CONSTRUCTION TO CONNECT MORE THAN 7000 HOUSEHOLDS



The new distribution line to connect more than 7000 households in Burera District is almost complete and some households have already been connected to that electrical line and have started to benefit from electricity access. The construction works of this lines is a part of a big project sponsored by Arab Bank for Economic and Development in Africa (BADEA) and it is implemented by REG.

In an interview with media, manager of REG branch in Burera District, Fulgence Nkundabakuze, said that distribution line being constructed in different sectors of Burera District will help to distribute power on more than 182 kilometers. These distribution lines will connect Cyanika, Kagogo, Rugarama, Cyeru, Nemba, Rugendabari, Ruhunde and Rwerere sectors in Burera District

Nkundabakuze continued by saying that “part of the distribution lines is completed, and 5000 households are already connected; the connection is ongoing and other households will be connected in the near future”. As of now in Burera District 54% of households have access to electricity including 46% connected to main grid and 8% connected through off grid mainly solar home systems.

The residents in sectors connected to electrical lines built, believe that this is a beginning of long-lasting socio-economic development.

Ntezimana Gilbert; the headmaster of Mbuga Primary School located in Bungwe Sector, said that having electricity will incite a change in their teaching method as

well facilitate students to have access to technologies such as the use of laptops. He added that “having electricity will change many things in our everyday activities of teaching; for example, one laptop per child program could not be implemented in this school without electricity; the school is now going to plan all the necessities and by the time it will have laptops, students will start learning related lessons.

Ntezimana expressed that “photocopying papers in case needed or to charge school laptop was difficult since it required to travel about four kilometers going to nearest center with electricity”.

Oscar Nizeyimana; the manager of SACCO Icyerekezo located in Kivuye sector, expressed his happiness that “before having access to electricity we were using generator which was costing about 100, 000 Rwf per month for the fuel; from the time we have been connected to grid, the budget of electricity has reduced to less than 10,000 Rwf per month. It is an economic advantage because our SACCO is now saving the money that was used for fuel”.

The executive Secretary of Kivuye, Butoyi Louis, is also very happy for the observable changes that are seen in his sector after some households and productive users were connected to grid. In his interview with media, he expressed that “you can see changes already: youth who have completed welding training have now brought machines and started to produce different furniture. This is a virtuous advancement because residents of this sector used travel a distance of about 15 kilometers to buy furniture at Butura. You can understand how exhausting and expensive it was for them; with welding services in our sector, the cost of furniture was reduced considerably”. He added that “a part from welding and carpentry services, also we have printing and photocopying services, hair salon and studio which we did not have before having electricity.

He concluded by saying that “it is our happiness to see residents no longer living in the darkness at night and requested them to be the first ones to protect installed equipment from any voluntary damage.

7 KAMONYI: CONSTRUCTION OF ELECTRICAL LINE IN 5 SECTORS COMPLETED

The construction of a distribution electrical line in Kamonyi District to connect households in Karama, Nyamiyaga, Gacurabwenge, Kayenzi and Runda Sectors is completed and households have started to benefit from it.

According to Kalisa Rosine, REG Branch Manager Kamonyi District, the construction of this power lines in five Sectors of Kamonyi District was completed in June 2021 and provided electricity to more than 3,000 households in these Sectors. In Runda, 1,325 households, Nyamiyaga 712 households, Gacurabwenge 624 households, Kayenzi 203 households and Karama 200 households.

Kalisa said: "Given that Kamonyi District is the last district in the Southern Province as far as access to electricity is concerned with only 41% households have access to electricity, we have decided to accelerate the supply of electricity by building new fill in electrical lines in the Sectors and so on. This has already produced fruits and we are very eager to reach the target of connect 100% of Kamonyi households by 2024."

Kalisa says that in this fiscal year 2020-2021 they were planning to provide electricity to 4850 households but they surpassed their target and connected 5095 households in Kamonyi during that fiscal year.

The head of the REG branch in Kamonyi further said that in Karama, Gacurabwenge, Nyamiyaga, Kayenzi and Runda Sectors alone, 3,082 households have accessed electricity.

Some owners of households supplied with electricity in these Sectors say they are happy with the progress they have witnessed after accessing electricity.



Misago Ildephonse, the Director of Bugarama Primary School in Kayenzi Sector, Bugarama Cell, says electricity has changed the way teachers and students are able to use technology.

"Electricity has changed a lot in our daily lives. It helps us, and we also help with reports and other things that we couldn't do without electricity. We easily use our computers, print documents and so on." Disclosed Misago.

This official said they used to spend more than Rwf700,000 a month on fuel for their "generator" but now they spend less than Rwf250,000 a month purchasing electricity.

Twahirwa Vincent is a trader with a small supermarket in Karama Sector.

Twahirwa says that has been doing business successfully thanks to electricity accessed and this has brought about a lot of changes for him and his family, or for those who need products in his supermarket.

Statistics show that so far in Rwanda more than 65,4% of households have access to electricity in general, including those using on-grid and those using off-grid solutions.



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