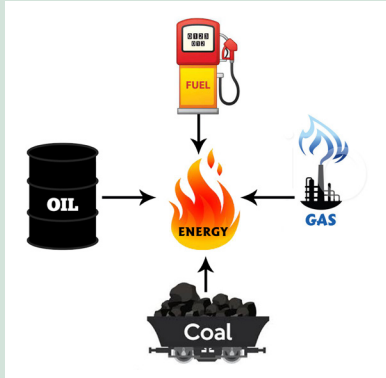


Workplace Tidbits

Oil, coal, gas and fuel, how long will they last?



While fossil fuels were formed millions of years ago, we've only been using them for fuel for a fairly short period of time – just over 200 years. However, we've consumed a huge amount of fossil fuels since, leading many people to ask how long it will be until they run out.

If we keep burning fossil fuels at our current rate, it is generally estimated that all our fossil fuels will be depleted by 2060. New reserves will probably be found before this point, extending the deadline somewhat.

In fact, if we don't find any additional oil reserves, it's estimated that our known oil deposits will be gone by 2052.

Coal and natural gas are expected to last a little longer. If we continue to use these fossil fuels at the current rate without finding additional reserves, it is expected that coal and natural gas will last until 2060.

Renewable energy sources, such as solar and wind power, provide a viable alternative to fossil fuels. And as the name suggests, these sources are renewable and won't run out.

<https://octopus.energy/blog/when-will-fossil-fuels-run-out>.

Renewable Energy and the need for Electricity Storage



Huawei FusionSolar Eastern Africa Partner Summit

Kenya is keen to tap the idle potential in wind and solar energy to reduce reliance on thermal energy. Currently, renewable energy sources account for 54.3% share of the national energy mix with solar power's contributing only 2%. This means that the country needs heavy investment to boost solar and wind power generation to reduce reliance on thermal power.

Meanwhile, the high cost of electricity has created an increasing demand for solar solutions among Kenyan firms seeking cheaper and reliable alternative energy sources which has in turn created market opportunities for local and international solar energy solution providers.

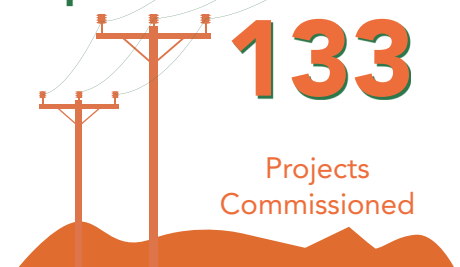
As the country moves towards renewable energy derived electricity, energy storage solutions will play a crucial role in enabling this transition. With high renewable energy generation, electricity will need to be stored for long periods of time, and companies providing these essential services are already making inroads into the Kenyan market.

One of the companies that have set up shop in the country is the Chinese tech giant Huawei, who recently showcased their energy storage solutions including grid and residential inverters at the recently held Huawei Fusion Solar Eastern Africa Partner Summit in Nairobi. The company which implemented the digital power

solutions for the 55 MW Garissa solar plant, expects a rise in demand for their storage systems as most manufacturers in the country seeks to offset some of the high electricity costs that eat into their profit margins.

Speaking during the event, REREC's General Manager, Renewable Energy, Mr. Fred Ishugah attributed the efficiency of the 54 MW Garissa Solar Power Plant to Huawei inverters adding that the station has a 98% efficiency rate.

Projects' Progress Report



133No. projects were commissioned in the week ending 20/05/2022, in various parts of the country. The total number of commissioned projects in the current financial year stands at 964No. with 1149 No. projects in progress. 128No. projects are awaiting either joint inspection, shutdown, or commissioning

Procurement Policy

This policy seeks to establish a roadmap for implementation of the departmental functions, enhance operational efficiencies and foster ethical practices within the department.

Learn More in Chapter 34 of the Internal Policies

Soma, Elewa, Tekeleza