

Swaziland PV 20 energy storage





Overview

What is the trend for the Eswatini energy system?

The overall trend for the Eswatini energy system is clear: de-pendency on electricity imports will remain above 50 % in total electricity production to about 2019, then gradually decrease until 2034 to less than 10 %.

Does Eswatini have solar energy?

Eswatini is well endowed with solar energy resources. Accord-ing to the Swaziland Renewables Readiness Assessment report (IRENA, 2014), Eswatini has relatively abundant solar potential throughout the country with an estimated global horizontal ir-radiance of 4-6 kilowatt-hours (kWh) per square metre per day.

Should Eswatini invest in natural gas and biogas?

Natural gas and biogas also should be considered as vi-able options in the future energy mix. Under the business-as-usual pathway to 2034, Eswatini's de-pendency on fuel and electricity imports remains high, while domestic renewable energy resources remain under-utilised.

How can the Eswatini energy system be used to inform policy?

The Eswatini energy system is modelled for analysing energy technology choices. In view of the close correlation between energy sector policy and technology choices, the model consid-ers how the energy system can be used to inform policy.

How is the Swazi government advancing its energy infrastructure?

In collaboration with private entities and foreign aid programs, the Swazi government is taking crucial and necessary steps to advance its energy infrastructure and deliver power to the 17% of the population (more than 200,000 people) living without it.



How much power does Eswatini use?

(36 %) and wood chips (27 %). Coal accounts for 12 % of total fuel use for power generation, and the remaining 25 % is from hydropower (Figure 3.2). The total installed generation capacity in Eswatini in 2014 was around 180 MW, including 106 MW of biomass, 61.5 MW of hy-dropower, 9 MW of diesel and 2.2 MW of coal power plants.



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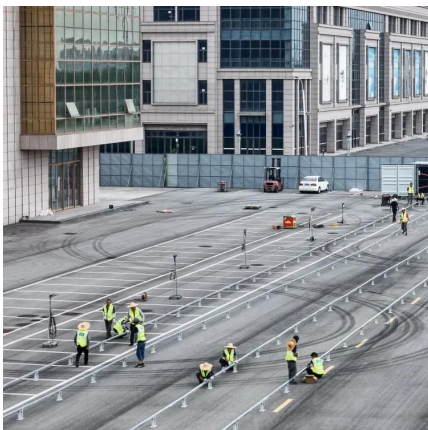


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