

Why is access to electricity important in the Gambia?

Providing access to electricity to support inclusive and sustainable socio-economic development is one of the pivotal cornerstones of the Gambia government's priorities as articulated in the national energy sector policies and strategies, and highlighted in the National Development Plan (2018-2021).

What is the electricity system in the Gambia?

The existing electricity network in The Gambia consists of a number of separate 33 kV and 30 kV systems fed from local power plants throughout the country. On-going projects are developing the transmission grid to interconnect these systems and establish interconnections with neighbouring systems.

Can the Gambia transform the energy sector?

An unprecedented level of support from the international community provides The Gambia with the opportunity to transform the energy sector and emerge as one of the leading energy sectors in the sub-region and the African continent. In this context, the Electricity Roadmap has undergone its third update since 2015.

How is electricity financed in the Gambia?

A large proportion of this is already financed through on-going national and regional projects sponsored by development partners. The Gambia is poised to provide access to electricity for all its people. His Excellency, President Adama Barrow has stipulated that there is to be Universal Access by 2025.

Does the Gambia have solar energy resources?

The Gambia has significant solar energy resources which can be deployed via solar PV plants, which have become price competitive with thermal plants and attractive for advancing national renewable energy and greenhouse gas (GHG) reduction targets. IRENA (2018) has estimated national solar potential at 428 MW.

What is building energy management system?

Building energy management systems support building managers and proprietors to increase energy efficiency in modern and existing buildings, non-residential and residential buildings can benefit from building energy management system to decrease energy use.

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A study of residential buildings in The Gambia shows that most occupants of the buildings have persistent and growing problems with the indoor environment. Most buildings are characterized by poor design in relation to the climate, which requires a great deal of energy for cooling during extreme climate.



The Gambia energy management systems for buildings

The regional and global energy landscape is ever evolving, necessitating the need to update the Gambia's high-level energy sector plans and strategies to account for new market realities and opportunities. This is the main reason for the 2021 update of the strategic electricity

As provided by the 2014-2018 National Energy Policy, the Gambia's electricity objectives are to increase electricity generation, enhance electricity fuel diversity with an estimated 30% use of renewable energy for generation, promote private sector participation, and improve access to an affordable and reliable supply particularly for rural ...

assess the current state of energy efficiency in residential buildings in Tujereng Village, considering factors such as building design, insulation, heating and cooling systems, lighting, ...

Reduction of energy consumption in buildings can be achieved by simple methods and techniques using an appropriate building design and energy-efficient system and technology, such as ...

Base on the type of building, different management strategies can be used to achieve energy savings. This paper presents a review of management strategies for building energy management systems for improving energy efficiency. Different management strategies are investigated in non-residential and residential buildings.

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One of the best solutions would be construction of low energy consuming "passive" houses. A study of residential buildings in The Gambia shows that most occupants of the buildings have persistent and growing problems with the indoor environment.

The 2021 update of the strategic electricity roadmap exemplifies the Gambia government's drive and commitment to modernizing the electricity sub-sector by building on the gains achieved over so many decades, but also to capitalize on the opportunity for low-cost imports available in the emerging West Africa Power Pool (WAPP) regional ...

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assess the current state of energy efficiency in residential buildings in Tujereng Village, considering factors such as building design, insulation, heating and cooling systems, lighting, and occupant behavior. The efforts of The Gambia to achieve universal access to energy by 2025 involve collaboration with international organizations such as ...



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Reduction of energy consumption in buildings can be achieved by simple methods and techniques using an appropriate building design and energy-efficient system and technology, such as passive cooling system. The passive air cooling system provides cooling through the use of passive process without using customary



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