



Christmas Island grid modernization initiative

What is the Grid Modernization Initiative (GMI)?

The Grid Modernization Initiative (GMI) works across the U.S. Department of Energy (DOE) to create the modern grid of the future. Our extensive, reliable power grid has fueled the nation's growth since the early 1900s; however, the grid we have today does not have the attributes necessary to meet the demands of the 21st century and beyond.

Why should we modernize our power grid?

Modernizing the nation's power grid to accommodate more clean energy resources while being resilient, reliable, and secure in the face of increasing extreme events and man-made threats is critical to our national security and economic prosperity.

What is the energy grid modernization Lab consortium?

A collaboration among 5 research institutions has been established through the U.S. Department of Energy Grid Modernization Lab Consortium to provide technical assistance to the 7 U.S. Independent System Operators and Regional Transmission Organizations. Foundational Projects and Technical Area Portfolio Review

What is GMI's strategy to maintain and improve the power grid?

Join us on October at 12pm Eastern for a webinar discussing our strategy to maintain and improve the power grid of today and tomorrow! GMI has announced its strategy for investing in innovative new technologies to modernize today's power grid, while ensuring it remains secure and sustainable.

Can solar power a seed cleaning shed on Christmas Island?

As part of a scientific research focusing on agriculture on exhausted mining areas, a seed cleaning shed on Christmas Island is being powered by solar+storage.

Will a Christmas Island Battery Storage Project attract a 'renewable' project owner?

Amid a growing number of island nations ditching diesel in favor of renewables, German battery storage manufacturer Tesvolt believes the savings achieved at the Christmas Island project are set to attract similar project owners to consider the renewable option in the region.

The Australian Government's Indian Ocean Territories (IOT) Power Service is changing the way renewable energy is regulated on Christmas Island (CI) and the Cocos (Keeling) Islands (CKI), ...

The initiative will enable more than \$20 billion in federal funding to be directed to the modernization of the network, with up to \$2.5 billion sourced from the Bipartisan Infrastructure Law, \$3 billion allocated for expansion of the ...



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The federal Morrison government has unveiled plans to underwrite the construction of a 1MW solar farm on Christmas Island, an external territory in the Indian Ocean with a population hovering ...

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