

In this paper, we present an approach for conducting a techno-economic assessment of hybrid microgrids that use PV, BESS, and EDGs.

From October 16-20, CLDP conducted a microgrid energy assessment in San Pedro Sula and Tegucigalpa, Honduras. The assessment kicked off a project that was devised at the request of ...

This chapter proposes a spinning reserve-based optimal scheduling model of integrated microgrids in an adaptive distribution grid to address common resilience issues in the face of disasters.

On June 14-15, CLDP conducted a technical hybrid workshop, "Deploying Microgrids in Honduras," for 114 participants from the public and private sectors. This workshop focused on how to accelerate ...

Abstract: To solve the problems of low power distribution efficiency and large voltage deviation of different energy storage units in microgrid hybrid energy storage, this paper proposes a flexible ...

In the book, readers will explore an engineering economics framework on the investment decisions and capital expenditure analyses required for an assessment of microgrid projects.

In a hydrogen microgrid, such attacks could manipulate critical variables, including electricity prices or hydrogen storage levels, to destabilize operations and cause economic inefficiencies.

With the integration of a large number of microgrids in the power distribution network operation, economic and strategic challenges arise. To address these challenges, this research ...

A comparative analysis of the classical PI and sliding mode control-based designs is conducted under various grid conditions, such as cold ironing mode of the shipboard microgrid, and load variations, ...

The Project Team sought input from and presented the draft microgrid regulations to a variety of interested parties including local government officials, microgrid developers, and community ...

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