



# Jakarta load shifting





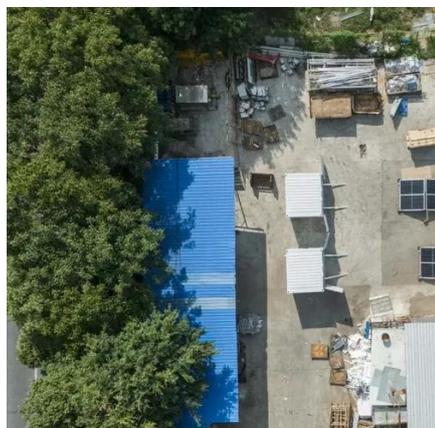
## Overview

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. We use a novel bottom-up modeling approach to analyze the potential of energy efficiency to reduce Indonesia's electricity demand: the LOAD curve Model (LOADM) combines total national electricity demand for each end use as modeled by the Bottom-Up Energy Analysis System (BUENAS) with — — hourly. The long-anticipated new Electricity Supply Business Plan (Rencana Usaha Penyediaan Tenaga Listrik or RUPTL) from PT Perusahaan Listrik Negara (Persero) (PLN), Indonesia's state utility, has been issued on 26 May 2025 and officially released to the public on 3 June 2025. Expectations (and. Jakarta, notorious for its endless traffic jams, is writing a new chapter in urban mobility. With a population of over 10 million in the city —and more than 35 million across the greater Jabodetabek region—Indonesia's capital has long struggled with congestion, inequality, and pollution, fueled by. . Each of these help address grid instabilities at different timescales — shimmying on the order of seconds to hours, shedding on the order of seconds to days, shifting on the order. Advances in energy storage technology have allowed the application of load shifting in the utility grid for a more efficient power system operation. However, the economy of the Battery Energy Storage System (BESS) application is not linear to the cost reduction obtained from excluding the costly.



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### [Peningkatan Efisiensi Sistem Pembangkitan Dengan Optimasi Load ...](#)

Penelitian ini mengeksplorasi dua pendekatan utama dalam pelaksanaan load shifting: yang pertama, secara aktif melalui pemanfaatan Battery Energy Storage System (BESS), dan yang kedua, secara ...

### [Forecasting Indonesia's electricity load through 2030 and peak ...](#)

We analyze the projected peak-load and daily load-curve impacts of energy-efficient appliances and lighting, along with the resulting financial impacts on future capacity expansion in Indonesia.



### [Load Shifting vs. Load Shaping: Customer-Centric Strategies for ...](#)

Unlike load shifting, which focuses on when energy is consumed over time, load shaping intends to modify the electricity demand profile through various strategies, including both shifting and ...

### [Indonesia's new power development plan: Highlights from the ...](#)

This shift reflects a marked departure from the relatively subdued procurement landscape of the past five years and points to a future of more frequent, and larger-scale, tenders.



### [Wednesdays on the bus: how Jakarta is tackling gridlock](#)

An estimated 45 to 50 million trips are made daily in the city. But the city is shifting gears. Through a mix of infrastructure expansion, technological innovation, and bold civic policies, Jakarta is ...

### [Economic analysis of cost-based load shifting implementation on I](#)

This paper presents the economic analysis of cost-based load shifting implementation and an approach to determine the generation units to be deactivated and replaced by BESS on three large-scale ...



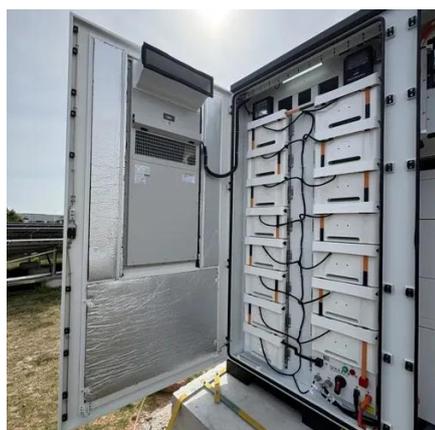
### [The Study on Power Supply Reliability Improvement in Jakarta](#)

The reactive power compensation at the power-receiving end in Region 1 is found to have a large effect on expanding the upper limit of Jakarta's power demand in case of supplying the power of Region 2 ...

## **Demand response**



One type of demand response is load shifting. With the sliders in this section you can implement load shifting for the electricity demand of the industrial sectors metal, chemical, central ICT and other ...



[\(PDF\) Electricity Tariff Simulation on The Largest Electric Power](#)

Advances in energy storage technology have allowed the application of load shifting in the utility grid for a more efficient power system operation.



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