



# Behind the meter solar batteries resilience

Are battery storage systems resilient?

With those customers, resiliency tests conducted on battery storage systems showed that batteries can provide load demand (kWh) 50% of the time in a year and peak demand (kW) for 95% of the time in a year, during normal days with no called DR events or power outages.

What is behind-the-meter battery energy storage?

Energy storage broadly refers to any technology that enables power system operators, utilities, developers, or customers to store energy for later use.

What is a behind the Meter (BTM) system?

In contrast, behind-the-meter (BTM) systems refer to electric-generating and storage systems (such as solar and battery storage) that are connected to the distribution system on the customer's side of the meter. Energy that a facility receives from behind-the-meter solutions bypasses the electric meter, hence "behind the meter."

What is a BTM battery energy storage system?

BTM Battery Energy Storage Systems (BESS) allow utility customers to connect to their energy distribution system via a utility service meter. As such, they can act as both a load center while charging and a generation asset (e.g., supporting voltage and displacing load) while also discharging--ultimately leveraging storage for grid resiliency.

Can introducing BTM solar and storage reduce peak demand?

We found that introducing BTM solar and storage can help normalize and minimize peak demand as higher adoption rates occur in a given utility territory. Subscribe to get insights, commentary, and forecasts in your inbox.

What is a behind the meter system?

Energy that a facility receives from behind-the-meter solutions bypasses the electric meter, hence "behind the meter." They differ from front-of-the-meter systems in many ways, including who typically owns the systems, where they are installed, and the size of the systems installed. What are examples of behind-the-meter solutions?

Definition and Technical Overview Switching sides, BTM storage is exactly what it sounds like: battery systems installed behind the customer's meter, inside homes, businesses, or industrial facilities. Think rooftop solar paired with a Tesla ...



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