

North Korea s first behind-the-meter energy storage project





Overview

What is behind the meter storage?

As discussed earlier, behind the meter (BTM) refers to the electrical system on the consumer side of the power meter. Energy storage solutions in BTM applications have been used for many years as a standby power source in the case of power loss. Historically, lead-based batteries were the battery of choice.

Why are energy storage systems important?

Energy storage systems (ESSs) can help make the most of the opportunities and mitigate the potential challenges. Hence, the installed capacity of ESSs is rapidly increasing, both in front-of-the-meter and behind-the-meter (BTM), accelerated by recent deep reductions in ESS costs.

What is behind the meter?

by reducing strain on the grid. What Is “Behind the Meter”?

Two terms that are often used when discussing energy storage are “Front of the Meter (FTM)” and “Behind the Meter (BTM).” To better understand the meaning of these terms, we need to envision the meter on the side of a home.

What is NREL's behind-the-meter storage analysis research?

NREL's behind-the-meter storage analysis research focuses on technologies that minimize the costs and grid impacts of electrification for consumers by balancing peak energy demands, integrating EV chargers, and generating electricity on-site. Photo by Werner Slocum, NREL



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The key applications of the project are peak demand management, energy arbitrage and solar power shifting. Contractors involved. Samsung SDI and SK E& S have delivered the battery ...

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