

case study

ELECTRIC COOPERATIVE

REDUCING SYSTEM PEAKS, INCREASING
STABILITY OF THE GRID, MANUAL SCHEDULED
DISPATCH CAPABILITIES

THE CHALLENGE

A small electric cooperative in Arkansas wanted to deploy two front-of-the-meter (FOM) storage systems, co-located with PV, to reduce its overall system peaks and increase the stability of the grid. Today's Power, a renewable energy company that develops, owns, and operates renewable assets was in search of a solution that would be able to accomplish that goal, and also give the customer the ability to schedule the battery to dispatch when they needed. The customer specifically requested the ability to take full control and manually schedule the dispatch of their storage system on-demand.

THE SOLUTION

Energy Toolbase's Acumen EMS™ controls software was integrated with two Sungrow energy storage systems, which utilizes Samsung battery modules with a combined capacity of 9.6 megawatt-hours (MWh). The solution also included a license to the ETB Monitor platform, which provides a secure, web-based portal to view real-time performance, create alerts, and for the customer to schedule dispatch commands and override events. The systems reduce yearly grid-level demand, minimize wholesale power costs, and increase grid stability for its customers and were delivered on time and on budget.

PROJECT SUMMARY



LOCATION

Little Rock, Arkansas



DEPLOYMENT DATE

April 2020



ESS PROVIDER

Sungrow Storage Systems



COMBINED SYSTEM SIZE

4.8MW / 9.6MWh



FACILITY TYPE

Aerospace & defense contractor



EMS APPLICATION

Grid level peak-shaving via
Scheduled Dispatch



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