

Presentation # 8

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Title: Community Energy Storage and Distribution SCADA Improvements

Abstract

AEP has been using NaS Batteries for peak shaving and now is able to use them for islanding customers during reliability events as well. We are now branching out to the use of local smaller storage devices to get reliability closer to the customer (CES - Community Energy Storage). The aggregated storage capacity of these batteries can provide system energy benefits similar to a bulk storage system like NaS. In addition, AEP has installed a number of real time distribution station transformer monitors in order to better manage the risk of heavily loaded or "unhealthy" station transformers. Like many other utilities, AEP is investigating the use of Volt Var Control (VVC) to reduce demand, energy consumption, and ultimately Greenhouse Gases. This presentation will discuss the deployment of these technologies and use of Distribution SCADA to integrate their operation