

Energy Storage

Charles Bertuch, PE, Principal, Bergmann Associates

ABSTRACT

While the technology and application of renewable energy rapidly advances, its full potential is often limited by the inability to practically store on site-generated energy for later use. This presentation examines the benefits of on-site energy storage; an overview of current storage technologies; and new technologies under development. Comparative analyses will be presented to demonstrate the financial and operational impacts of various technologies in a variety of use cases.

BIOGRAPHY

Charles Bertuch has more than 30 years professional experience as a consultant and plant engineer. He is currently the Principal - Energy Solutions for Bergmann Associates in Syracuse, NY. He is a registered NYS PE, Certified Energy Manager, and LEED accredited professional.

He has been involved in the design and implementation of more than 100 renewable energy projects, and evaluation of energy storage options for a variety of facilities.