Delmarva Utility: Controls for 3 MWh Battery at Substation in Ocean City, MD

CHALLENGE

Electricity demand in Ocean City, MD (OCMD) is increasing. OCMD is on an islanded grid which means the utility cannot import additional power during times of peak demand. The utility is therefore filling the gap with the installation of a 3 MWH battery at a new substation on the island. The battery will be used for both seasonal peak shaving and energy arbitrage.

APPROACH / SOLUTION

Vybe Energy is working with Concentric to provide the controls for this system. Seasonal peak shaving will be driven by signals from the utility operations center, while energy arbitrage will be controlled by a third-party energy marketer. The primary control function will be to charge the battery during times of low cost and discharge during times of high energy costs. Vybe will suspend normal operations and make the battery available for peak shaving if so directed by the utility operations center.

EXPECTED BENEFITS

- Access to additional energy during peak times
- Additional revenue streams from energy arbitrage

CONCENTRIC

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