

SAFETY BY DESIGN

MILLCREEK BESS ENERGY CENTER

BATTERY TECHNOLOGY

The proposed project would use lithium iron phosphate (LFP) batteries. Modern battery systems use improved chemistry and multiple safety features designed to reduce risk.

EARLY DETECTION AND MONITORING

Systems continuously monitor operating conditions and are designed to identify potential issues early, giving operators information to respond before concerns become more serious.

CONSERVATIVE SPACING AND SETBACKS

Battery units are arranged with separation between equipment groups and designed with multiple layers of protection. This approach helps keep equipment operating independently and reduces the potential for one unit to affect another.

LOCAL EMERGENCY RESPONSE

Emergency response plans, training and facility-specific information would be developed with local responders before the facility begins operation.

AIR AND WATER PROTECTION

Battery systems are designed and tested to meet rigorous safety standards. The facility's design includes stormwater management and containment features intended to help protect nearby properties and environmental resources. Any fire can produce smoke and other byproducts, which is why multiple layers of monitoring and protection are built into the facility's design.

MULTI-LAYER PROTECTION

- **Built-in Safety** – Stop problems before they start.
- **Fire-safe site design** – Conservative site layout.
- **24/7/365 monitoring** – Detect issues early.
- **Working with first responders** – Plan and train together.

