

TALLGRASS PRAIRIE ENERGY STORAGE



PROJECT OVERVIEW

- Standalone battery energy storage system enhancing Halstead's energy resiliency
- 140 MegaWatt (MW) and 280 MegaWatt-hour (MWh) capacity



COMMUNITY BENEFITS

- Attracts additional industrial and commercial development
- Creates local jobs and stimulates community spending during construction



ENERGY SECURITY

- Reduces reliance on imported power by sourcing electricity locally
- Securely located on an 11-acre parcel within Halstead Industrial Park
- Complies with strict national fire safety standards, with specialized local training



RESILIENCY

- Withstands extreme weather like the enduring Tallgrass Prairie
- Offers immediate, dependable energy
- Helps balance energy supply and demand, keeping costs lower



Pre-engineering 3D rendering of storage project on proposed industrial park

CONTACT US

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WHY BESS?



-  **Essential Grid Balancing:** Captures excess renewable energy and discharges it during peak demand to maintain grid stability.
-  **Peak Demand Management:** Stores energy during high production (e.g., midday solar) and releases it in the evening when demand is highest.
-  **Energy Cost Savings:** Lowers overall electricity costs by mitigating peak demand rates and stabilizing the energy supply.
-  **Enhanced Resiliency:** Minimizes power outages during storms or equipment failures, protecting homes and businesses.
-  **Advanced Safety Monitoring:** Equipped with real-time monitoring, sensors, and strict fire safety measures for robust operational safety.
-  **Minimal Environmental Impact:** Operates quietly with no direct emissions or hazardous waste, occupying a minimal land footprint.
-  **Cost-Effective Technology:** Capital costs have fallen dramatically (72% drop between 2015 and 2019), making BESS an economically viable solution.
-  **Proven Reliability:** Boasts a low failure rate of 1–2%, demonstrating a strong, reliable performance record.
-  **Community-Centric Design:** Projects are strategically sited near electrical infrastructure with community input to minimize residential impacts.
-  **Regulatory Compliance:** Adheres to national standards such as NFPA Code 855 and UL 9540, alongside all local and federal regulations.
-  **Transparent Community Engagement:** Maintains open dialogue with residents and stakeholders, providing regular updates and inviting feedback.
-  **Property Value Preservation:** Independent research shows that well-designed BESS facilities have negligible effects on nearby property values.