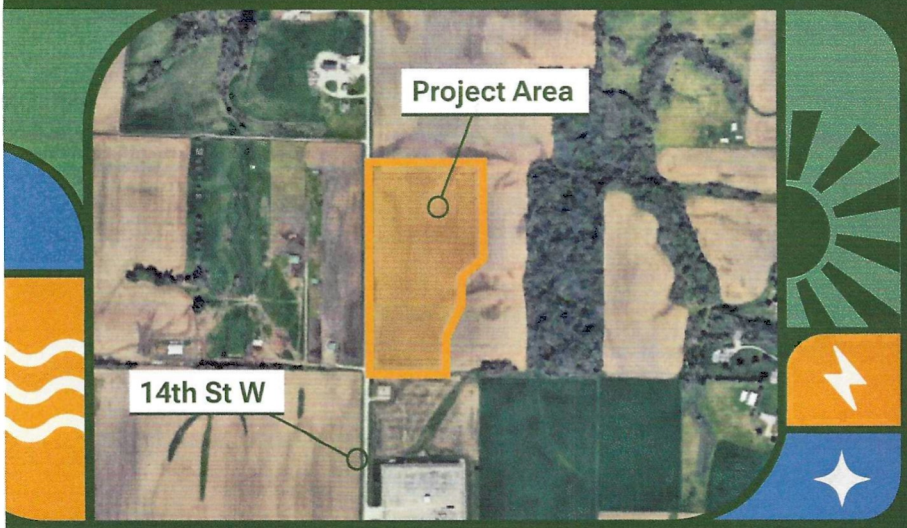
TIGER STORAGE

A New Leaf Energy Project in Rock Island County, IL

TIGER energy storage

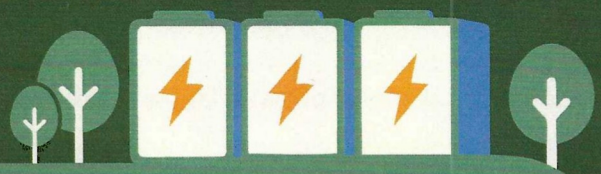


The proposed project is located close to an existing substation, allowing stored electricity to move efficiently to and from the grid.

200 megawatts
of battery storage capacity

16-acre
project footprint

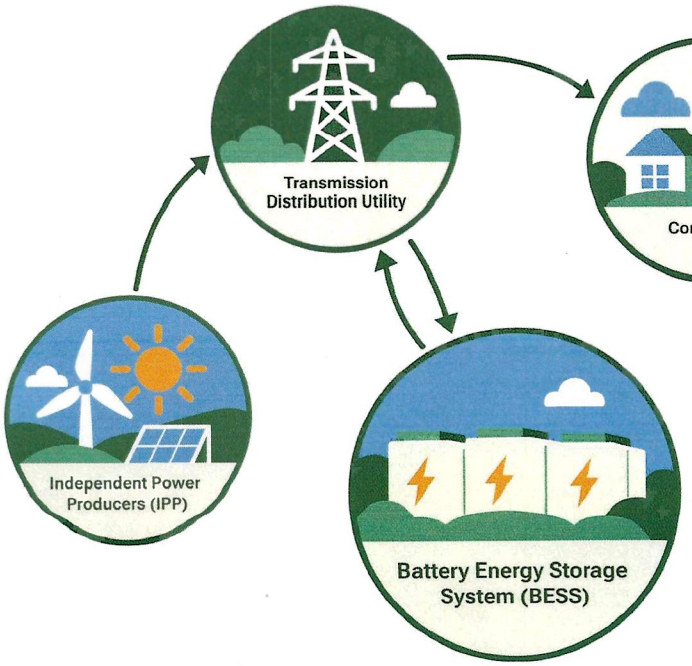
$1.2 million
per year in projected local property tax revenue



Investing in Rock Island County

Tiger Storage is projected to generate approximately **$1.2 million in property taxes** each year, representing a significant increase over the property's current tax contribution. These revenues will support important community services, including infrastructure improvements, first responders, and local education.

- **$17.6 Million** in property tax revenue over lifespan of project
- **20-25 Year** anticipated operating life
- **50** Local construction jobs
- **5** Long-term operations jobs



Storing Energy for When It's Needed Most

Battery energy storage systems, like Tiger Storage, help balance the electric grid by storing electricity when more power is available and sending it back to the grid when demand increases.

That ability to shift electricity from one time of day to another gives grid operators another tool to respond to changing energy needs and support a more reliable power system.

Built With Safety in Mind

TIGER energy storage

Tiger Storage is designed with multiple layers of protection to help prevent battery failures, detect potential problems early, and reduce the risk of fire.

Multiple Layers of Protection

Safer Battery Chemistry

Tiger Energy Storage will use lithium iron phosphate (LFP) batteries, a type of lithium-ion technology with 300 - 400x more thermal stability than typical EV batteries.

Continuous Battery Monitoring

Advanced monitoring systems track battery temperature and voltage conditions 24/7, with automatic remote shutoff capability if problems are detected.

Early Detection and Protection

Built-in smoke, heat, and gas detectors trigger alarms and protective responses. An automated ventilation system is designed to prevent dangerous gas buildup.

Independently Tested

The proposed SolBank 3.0 battery system has been certified under large-scale fire testing procedures, demonstrating that a thermal event in one enclosure does not propagate to neighboring units.

Planning Ahead for Emergency Response

Emergency preparedness starts long before a facility begins operating. New Leaf Energy develops a site-specific Emergency Response Plan that outlines how potential incidents will be detected and managed in coordination with local first responders.

How Emergency Response Works

1 ***Detect and Alert***

Built-in sensors continuously monitor for smoke, heat and gas. If unsafe conditions are detected, alarms and automatic protective systems activate, with notifications sent to the appropriate monitoring teams.

2 ***Notify and Respond***

The facility's monitoring systems are designed to alert local emergency responders when needed. Firefighters will meet technical experts on-site and follow established safety procedures.

3 ***Coordinate With Local Firefighters***

Tiger Energy Storage will work with the Coyne Center Fire Protection District on emergency access procedures, facility walkthroughs, and upfront and annual training.

4 ***Bring in Specialized Expertise***

The project's draft Emergency Response Plan was prepared by Energy Safety Response Group (ESRG), a firefighter-led team specializing in battery safety, emergency planning and incident response.

Frequently Asked Questions

TIGER energy storage

What exactly is Tiger Storage?

Tiger Storage is a proposed 200-megawatt battery energy storage system in Rock Island County. The facility will use battery units to store excess electricity from the grid and make that electricity available to consumers again when it is needed.

Why does our electric grid need battery storage?

Electricity supply and demand are constantly changing. Battery storage provides flexibility by absorbing electricity when it is readily available and returning it to the grid during periods of higher demand.

Unlike a traditional power plant, a battery storage project does not generate electricity itself. It stores electricity so it can be used at a different time.

What safety measures will be in place?

Tiger Storage will be designed to meet applicable local, state and national battery-storage safety requirements, including relevant NFPA standards.

Modern battery systems incorporate multiple layers of monitoring and protection intended to identify abnormal conditions and isolate problems.

How will local first responders be prepared for an emergency?

An emergency response plan is being developed for Tiger Storage with input from battery safety experts and local first responders.

The project's conditions of approval require battery-storage training for local fire personnel before operations begin, following construction, and every two years thereafter. This ongoing coordination is intended to make sure responders understand the facility and the appropriate procedures to follow in the unlikely event of an emergency.

What will neighbors see and hear from the project?

The Tiger Storage facility will primarily consist of battery units installed on concrete pads. The project design includes a perimeter wall intended to help screen the facility and reduce sound, with landscaping around the wall to further soften views from surrounding properties.

How much land will Tiger Storage use?

The proposed facility would occupy approximately 16 acres. The site is located near an existing MidAmerican Energy substation, which allows the project to easily connect to existing electric infrastructure.

How is the project addressing nearby wetlands and natural areas?

The current Tiger Storage layout is designed to avoid wetlands and wooded areas that fall within its property boundary.

Have questions about Tiger Storage?

Reach out to our team:

TigerEnergyStorage.com Contact@TigerEnergyStorage.com