What is Energy Storage?

Energy storage provides a critical solution for cleaning up the power grid and transitioning away from fossil fuels.

ENERGY SOURCE
Electricity is generated or sourced from the electric grid.

ENERGY STORAGE
Batteries charge when demand for electricity is low.

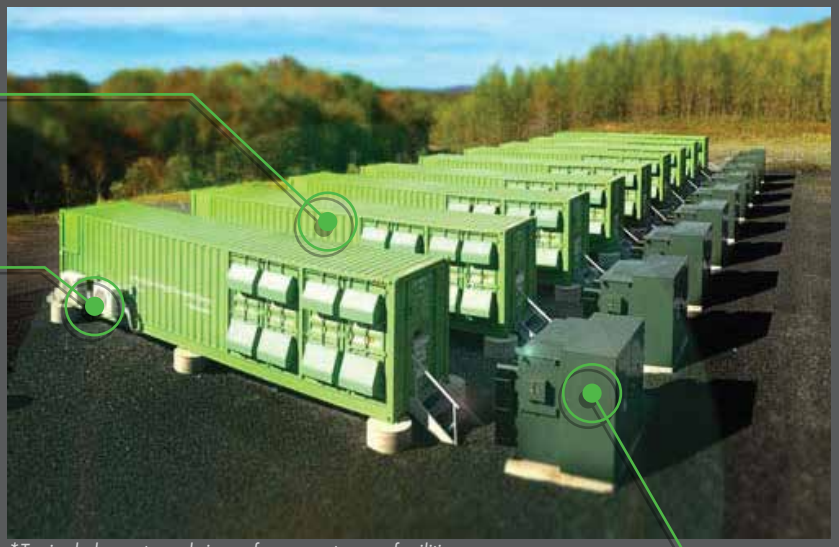
ENERGY DISCHARGE
Electricity from the batteries is dispatched during peak demand periods to stabilize the grid.

ENERGY USE
Electricity is used by consumers in homes and businesses.

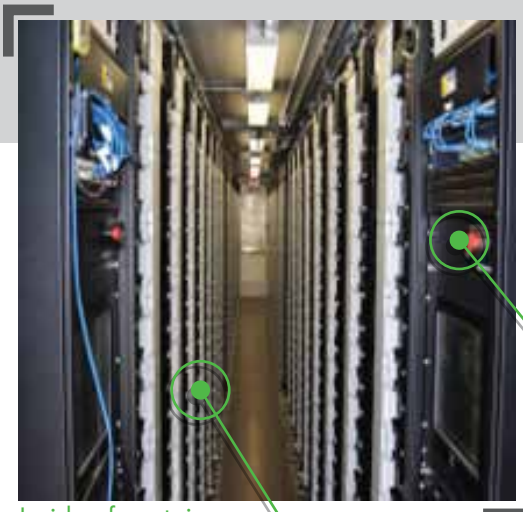
What does Energy Storage look like?

CONTAINERS (L8′ x W40′ x H8′)
Weatherproof housing for the batteries and controls.

COOLING SYSTEM
Regulates the temperature inside the container to ensure optimal performance of batteries.



**Typical elements and sizes of energy storage facilities.*



Inside of container

TRANSFORMER (L9′ x W5′ x H8′)
Converts low voltages to high voltage to enable power to be put on the transmission grid.

SENSORS & CONTROLS
Ensure safe opertation and allow for remote monitoring.

BATTERIES (L2′ x W1′ x H0.5′)
Energy is stored in rechargeable batteries which charge, store, and discharge energy.

174 POWER GLOBAL

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Why Partner with 174 Power Global?

PEACE OF MIND
174 Power Global is a financially secure company owned by Hanwha Energy Corporation, part of the Hanwha Group that includes a FORTUNE Global 500 Company. It has been named the nation's top solar developer by Wood Mackenzie in terms of project size.

EXPERTISE
174 Power Global's team has decades of experience in developing, financing, constructing, and operating renewable energy and energy storage projects.

DIVERSE PROJECT PORTFOLIO
174 Power Global has a proven track record of providing clean energy to utilities and the communities they serve. 174 Power Global's extensive portfolio contains operating assets, projects under construction, and numerous sites under development throughout North America.

COMMUNITY CENTRIC
174 Power Global is committed to partnering with landowners, community members, investors, and electric service providers across the nation to build solar farms that provide benefits to the communities where they are located.

COMPENSATION
Generate long-term income while contributing to renewable energy sustainability goals!

What to Expect when Partnering with Us

OPTION PERIOD
5 years, Generally

- Landowner receives an annual option payment.
- Landowner enjoys current land use while allowing us access to accurately characterize site.
- We conduct development activities such as transmission studies, site design efforts, engineering studies, and biological/cultural surveys.
- We obtain necessary permits from agencies having jurisdiction, execute power purchase agreements with an offtaker, and secure transmission rights on the existing electrical grid.
- We conduct outreach to all stakeholders to ensure concerns are addressed at an early stage.

CONSTRUCTION PERIOD
2 years, Generally

- Landowner receives increased annual payment.
- Construction of project includes clearing, staging, building, testing and demobilization.
- We will minimize and mitigate impacts to landowners and neighbors during this period.
- Best practices are employed to safeguard the environment and the local community.
- We partner with construction companies who subcontract with local companies.
- Battery projects require an access road & transmission easement.

PROJECT OPERATION
At least 40 years

- Landowner receives increased annual payment.
- Site will be enclosed in a fence and will operate with minimal noise, traffic and visual impacts.

RECLAMATION PERIOD
Follows Project Operation

- Project equipment including containers, racks, and electrical equipment is removed.
- Project access roads are removed.
- Land is allowed to restore to its original state.

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