brockwell energy

Glentaggart BESS
Douglas, South Lanarkshire

Welcome

Welcome to our Public Consultation

We are currently preparing a planning application for a **Battery Energy Storage System (BESS)** facility and are inviting feedback on our proposals.

About Brockwell Energy

Brockwell Energy was formed in 2017 to raise investment capital to develop an £800 million portfolio of sustainable energy projects, predominantly in Scotland, primarily on and around former coal mining sites.

We are focused on a range of renewable energy technologies, including onshore wind, energy from waste, solar and battery storage.

The Brockwell Team is highly experienced and passionate about building infrastructure that is needed for a net zero future.

We are looking to deliver a number of BESS projects in the UK. These facilities enable energy to be stored and delivered back to the grid when it is most needed. This helps renewable facilities like wind and solar operate at their best by smoothing out intermittent generation.

As an experienced developer, we specialise in finding suitable, cost-effective grid connection points and engaging with landowners to deliver sustainable infrastructure.

brockwellenergy.com/projects/Glentaggart-BESS

SCAN HERE

The Site

Brockwell Energy is preparing a planning application for the Glentaggart BESS facility on land located approximately 4 km south east of Douglas, just off the B7078 next to Andershaw and Middle Muir Windfarms, South Lanarkshire.

The site has been identified following an extensive selection process which considers environmental designations, local electricity network access and capacity, the physical characteristics of the site and the need for a supportive landowner.

The site is located 500 m from the proposed Redshaw substation meaning it is ideally situated to efficiently connect into the national gird.

The plans are still in the development stages, so our design proposals will evolve as local input is gathered and technical considerations are investigated further.

Once operational, Glentaggart BESS would make a valuable contribution towards regional and national net zero targets by providing balancing services to maintain a cleaner, greener and cheaper energy supply.

> The project will be capable of storing **84** megawatt-hours (two hours at 42 MW) of electricity, enough energy to power **136,000** homes for two hours.

Access to the Site for construction would be via the M74 and the B7078 with no requirement to pass through sensitive residential areas.

Our plans will also include landscape planting and improvements to biodiversity which will assist in screening the development and encouraging new wildlife to the Site.

The Proposals

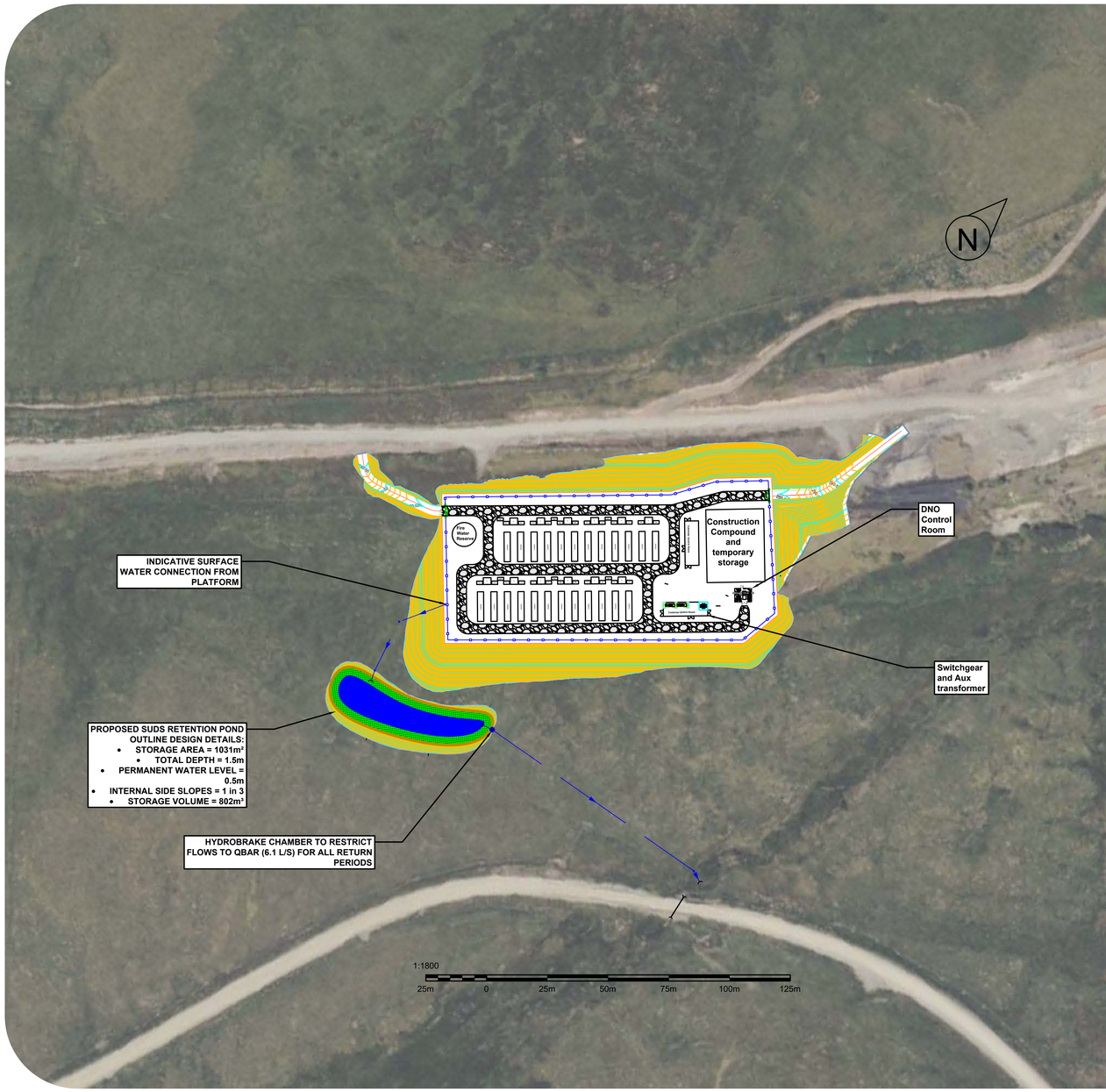
Here is a summary of what our plans include:

- ~0.9 hectares (ha), with 24 lithium-ion battery containers for a total of 84 megawatt-hour capacity (2 hours at 42 megawatts);
- Client control room;
- Distribution Network Operator (DNO) control room;
- Outdoor rated switchgear;
- Auxiliary transformer;
- Security fencing;
- CCTV;
- Attenuation pond, and
- Landscape buffer.

Construction and Operation

Construction is anticipated to take 6-9 months and would involve the formation of an engineered platform, a series of concrete plant bases, service trenches, an access road, fencing, CCTV and gates.

The only vehicles required to attend the Site when the facility is operational would be those associated with security and maintenance. This is anticipated to be less than one vehicle per week, averaged across the year.



Considerations

In advance of submitting a planning application for consent to build and operate a BESS, consultants are undertaking a range of assessments.

Landscape and Visual Impact

- The Site does not sit within any locally or nationally designate landscape.
- The closest residential properties are c. 1.2 km and 2.7 km to the north and c. 2.9 km to the south, resulting in no residential visual impact. The site will be partially visible from the B7078, though screening and topography will restrict this visibility.
- A full Landscape and Visual Appraisal (LVA) will be submitted as part of the planning application. The LVA will advise on appropriate planting and mitigation to be provided by natural screening.

Heritage

- There are no known heritage assets on the Site and a low potential for unknown archaeological remains to be present within the Site.
- Within a 1 km study area there is one prehistoric asset (Bronze Age cairn on Auchensaugh Hill) and is a scheduled monument.
- There are a number of non-designated Post-Medieval assets reflective of the study areas continuing agricultural use (sheep folds, plantations and farmsteads).
- No modern (1900-present) heritage assets are recorded in the 1 km study area.
- A full Heritage Assessment will be submitted as part of the planning application with the impact anticipated to be negligible.

Ecology

- The Site is comprised of rough grazing fields and it is not designated for its biodiversity value.
- The nearby Red Moss Site of Special Scientific Interest, and Special Area of Conservation, is a raised bog which will be considered and protected to ensure there are no impacts resulting from the BESS development.
- The planning application will be supported by a Preliminary Ecological Appraisal along with management and mitigation strategies to support biodiversity enhancements. These enhancements may include new planting around the site with sustainable drainage systems, reptile hibernacula and where possible enhancements to peatland habitats.

Considerations (continued)

Noise

- Anticipated noise levels from the BESS will be modelled, however given the distance to the nearest receptors, noise is not expected to present an issue and no requirement for mitigation is expected.
- An Environmental Noise Impact Assessment will accompany the application.

Construction Access and Routeing

- Site access and routeing will be thoroughly assessed.
- Access is proposed from the M74, joining the B7078 at junction 12 or 13.
- Vehicles will enter and exit the Site via Mid-Rig (Andershaw Windfarm) access road, joining the B7078.
- An overarching Construction Traffic Management Plan will accompany the planning application.
- Access can be made without transit through any sensitive locations.

Fire Safety

- BESS adhere to strict fire safety standards and come with built in fire suppression.
- Regular inspection and maintenance ensures systems function effectively, minimising risk.
- A water tank is included in the design to aid in fire suppression if required.
- A Fire Safety Management Plan and Firewater Management Plan will be submitted as part of the planning application.

Flood Risk and Drainage

- The Site is not within an area of flood risk.
- The site layout has been designed to ensure that surface water does not given rise to flood risk on site.
- An attenuation pond is included within the design to manage drainage and capture contaminated water in the event of fire.
- A Flood Risk and Drainage Strategy will be submitted as part of the planning application.

Next Steps

Your Community, Our Contributions

Our renewable energy projects aim to bring lasting benefits to local communities.

Our approach to community engagement is built on listening, understanding, and acting with purpose.

Our Commitment includes:

Community Support

Trust funds for local priorities

Local contracting and sponsorship

Collaborative community benefits

We engage with communities from an early stage of each project, shaping community benefit packages around that feedback.
By working closely with communities, we create innovative, lasting benefits tailored to their aspirations and needs. Whether supporting local businesses or fostering long term economic initiatives, we're committed to realising community goals together.

OCT/NOV 2024
Pre-application engagement

NOV 2024
Screening

MAR-APR 2025
Pre-application consultation

MAY 2025
Submission to South Lanarkshire Council Planning Authority

Q1 2026
Expected Determination

Q1 2027
Construction Start

OCT 2027
Energisation

Have Your Say

We are keen to hear your thoughts on our proposals and would welcome your feedback. You can provide your views by:

- Visiting our website: **www.brockwellenergy.com/projects/Glentaggert-BESS/**
- Complete a feedback form in person at the event or on our website at the address above.
- Calling our Project Information Line on: **0808 281 5551** (Mon-Fri 9am - 5pm)
- Emailing our designated consultation email address at: **GlentaggartBESS@brockwellenergy.co.uk**

Please provide your comments to us ideally by the **15th May 2025** when the consultation period ends.

Why Battery Storage

Why are Battery Energy Storage System (BESS) developments needed?

The Scottish Government's commitment to 'Net Zero' emissions by 2030 requires more sustainable energy production, such as solar and wind development. This renewable energy generation is intermittent in nature and when combined with closing old, large-scale coal and nuclear power stations, puts pressure on electricity distribution and transmission system.

Battery Energy Storage Systems are comprised of rechargeable batteries that can charge up from the grid when renewable energy is abundant and then discharge back to the grid when it's needed, helping smooth out renewable intermittency and taking pressure off the network's essential equipment.

> In this way the installation of BESS developments supports Scotland's transition from fossil fuels to greener, renewable and more reliable power generation.

Net Zero Scotland
Scottish Government