

**SWANSEA  
GREENER  
GRID PARK  
PUBLIC EXHIBITION**

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February 2023



*Baillie Wind Farm, Thurso, 21 turbines, 110m tip height*

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# Welcome

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**Our team are here to discuss our plans, listen to your views and outline the next steps of the Proposed Development.**

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## About Statkraft

- Operating in the UK since 2006
- Offices across the UK
- Development pipeline includes wind, solar and grid stability services
- Distributed over £2 million to communities near operating renewables projects
- The largest generator of renewable energy in Europe
- A state owned utility with origins in Norwegian hydropower over 125 years ago



**20 British utility-scale solar farms**

# Welcome

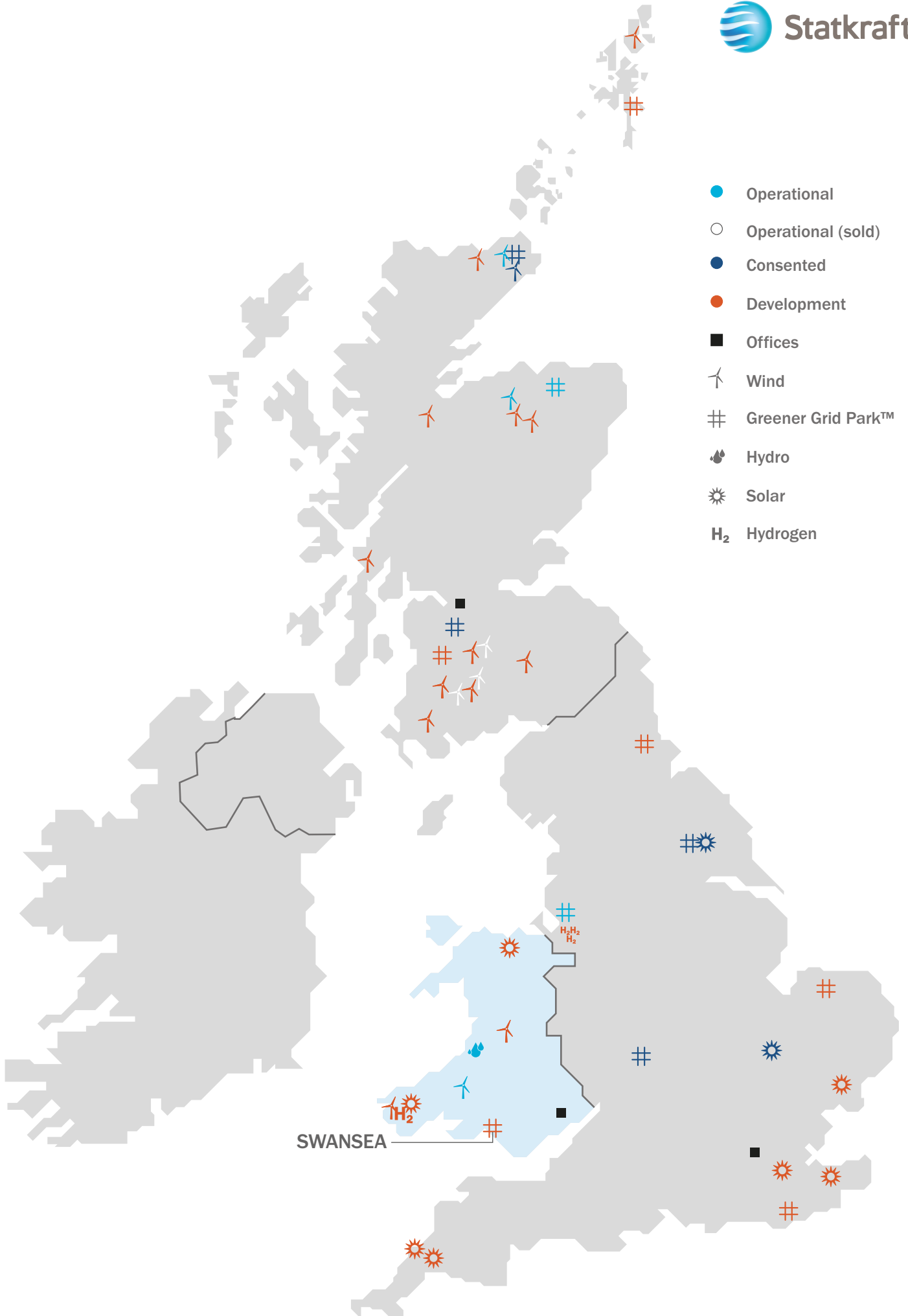
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## Statkraft in the UK

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- Offices in London, Glasgow and Cardiff
- Operational portfolio includes one Greener Grid Park, six wind farms and one hydro plant
- Delivering grid stability services for National Grid in Moray and Liverpool with upcoming projects in South West Scotland
- Recent expansion into solar development and electric vehicle charging points
- Over 700MW of renewable projects in development
- 10 Greener Grid Parks in development





# About Greener Grid Parks

Greener Grid Parks are a collection of buildings, containing zero carbon technology which stabilise the grid, allowing more renewable energy to be transmitted through the network. They are not a wind or solar farm, the buildings resemble storage units or shipping containers.

This is provided by one or both of the following innovative technologies.



## Synchronous Compensator

Large machines with built-in flywheels provide grid stability without emitting any carbon dioxide – decarbonising the grid and saving consumers money.

*Greener Grid Park at Keith*



Find out more at: [www.statkraft.co.uk/grid-services](http://www.statkraft.co.uk/grid-services)



*BESS at Kilathmoy Ireland*

## Battery Energy Storage System (BESS)

Batteries capture energy and store it for use later. Grid-forming converters combined with batteries always stay in ‘grid-forming’ mode which means they inherently resist changes in voltage and frequency on the electricity grid. This is another innovative way we can provide stability to the grid.

# Why do we need Greener Grid Parks?

Greener Grid Parks are pioneering projects which help achieve zero carbon emissions.

- As we move towards a zero carbon world we need to keep the power network stable as gas and coal units close.
- National Grid has had to pause renewables and run gas power stations – even when there is enough renewable energy to meet demand.
- National Grid pay to switch on fossil fuel powered plants and pay constraint payments – this has a cost to the environment and consumer.
- Greener Grid Parks remove this need by providing zero carbon stability so we can utilise as much renewable energy as possible.



*Keith Greener Grid Park, Moray*

**"Sometimes it's been necessary to shut down wind farms and switch on gas fired power plants - projects such as our Greener Grid Parks will make this a thing of the past."**

*Guy Nicholson –  
Head of Grid Integration,  
Statkraft UK.*

**UP TO  
£128  
MILLION**

**Saved (estimated by NGENSO) across contract period for Phase 1 Pathfinder. Saving consumers money; meeting local, regional and national targets.**

(NGESO: National Grid Electricity Systems Operator)

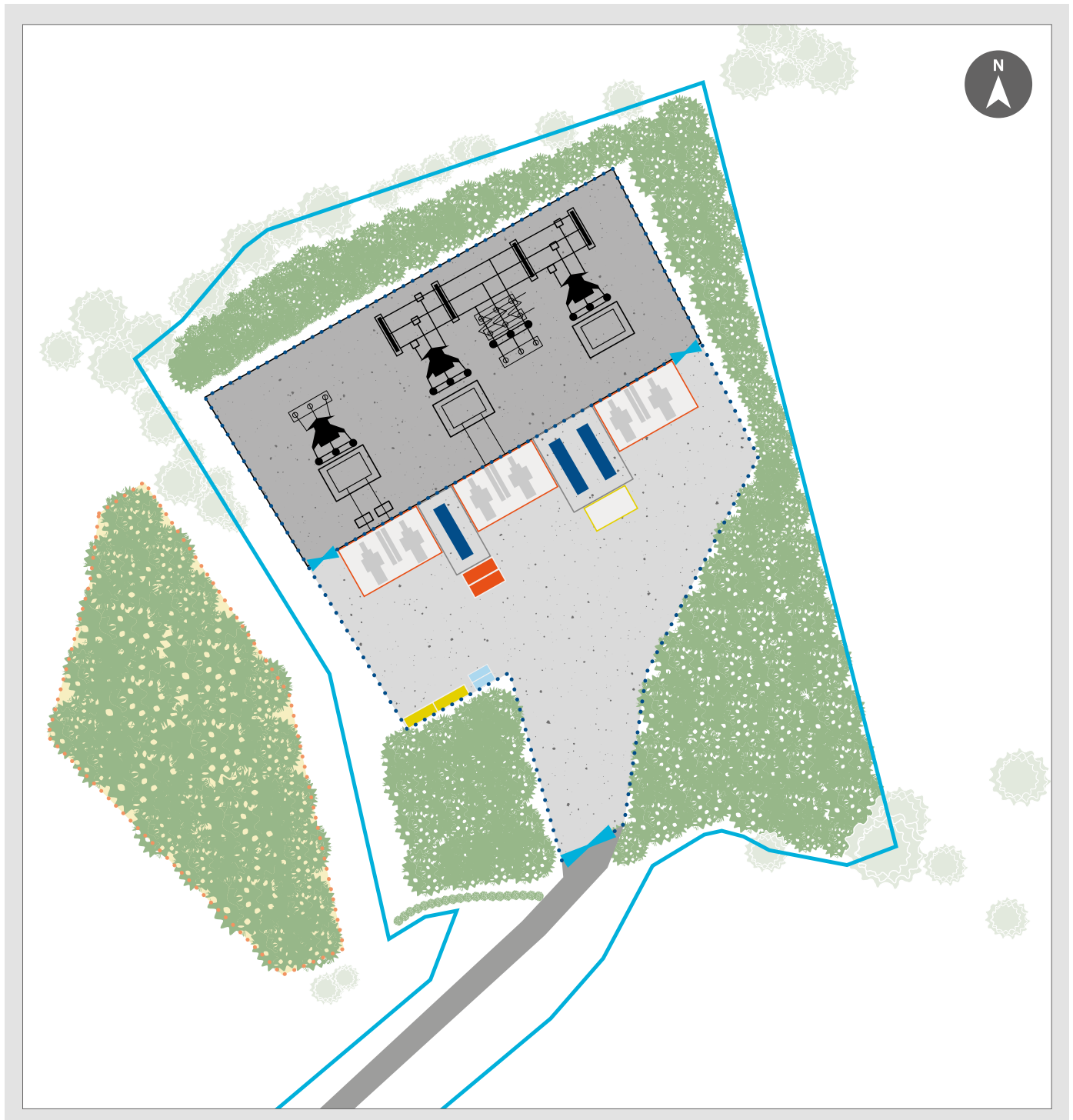


**MORE RENEWABLES  
ON THE ELECTRICITY  
NETWORK**

**2 GREENER  
GRID PARKS  
across the UK**

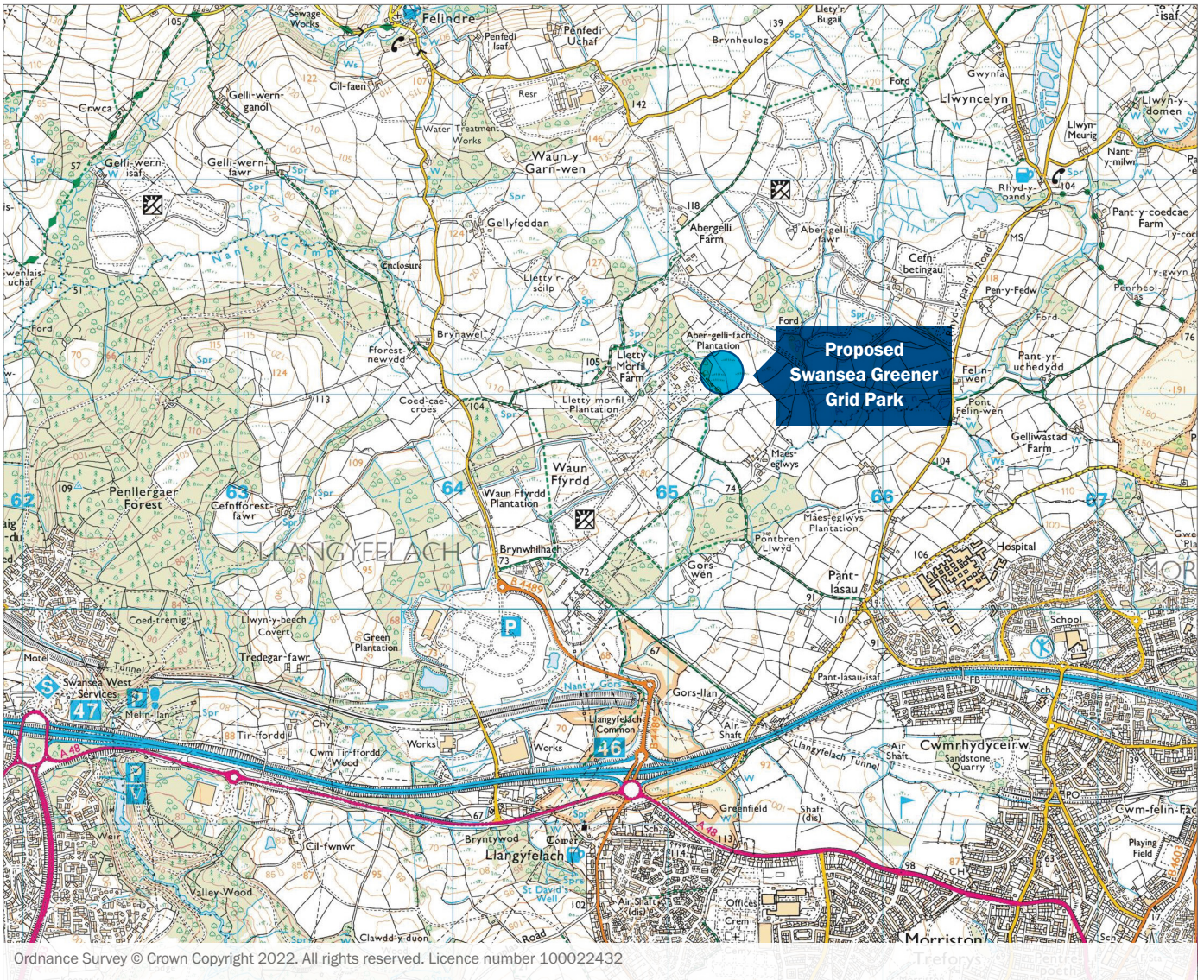


# About Swansea Greener Grid Park



## LEGEND

- |                               |                          |
|-------------------------------|--------------------------|
| SYNC COMP BUILDING (7m high)  | COMMS HOUSE (3.5 high)   |
| SITE BOUNDARY                 | ACCESS ROAD              |
| FENCE (3.4m high)             | HV YARD                  |
| OFFICES (3.5m high)           | LANDSCAPING AND PLANTING |
| STORES (2.59 high)            | HABITAT MANAGEMENT AREA  |
| COOLERS (2.5 high)            | GATE                     |
| BACK UP GENERATORS (3.5 high) |                          |



For more information and to provide your comments please go to our website:

[www.statkraft.co.uk/swansea](http://www.statkraft.co.uk/swansea)

# About Swansea Greener Grid Park

Swansea is an excellent site location for a Greener Grid Park because:

- National Grid Electricity System Operator (NGESO) **identified area with a stability need and awarded Statkraft a contract** to provide this service
- It is next to the existing Swansea North substation meaning the **cable connection is short and less intrusive**
- **Low impacts** on flooding, cultural heritage and ecology
- **Existing roads infrastructure** for access
- **Swansea is an excellent site to contribute to the UK's ambitions of reaching net zero emissions by 2050**
- The site has **already been granted planning permission** for a Greener Grid Park and this revised proposal will **allow Statkraft to fully meet the needs of NGESO**

## OUR COMMITMENT

Increase the biodiversity value of the site by at least **10%**



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**If Swansea Greener Grid Park was granted the revised planning permission, we estimate the project will be operational in 2025**

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**“I very much welcome the benefits that the project will bring to the local community, and I also welcome the community benefit initiative that you have mentioned. This project and the significant investment in the local economy will bring benefits for local supply chains while also helping put the region at the forefront of our continuing journey to put renewable energy at the centre of our journey to net zero.”**

*Michael Matheson, Cabinet Secretary for Net Zero, Energy & Transport at launch of Keith Greener Grid Park, March 2022.*

# Community Benefits

We look forward to engaging with the communities to find out different ways we can bring positive benefits to the local area.

We are often asked by residents near our projects what benefits they can bring. We are the first to offer community benefit funds for grid stability projects.



**“We are extremely grateful to Statkraft for the ongoing sponsorship of our Winter Trail Series which is an important part of our calendar.**

**“The sponsorship helps us promote running as a healthy and sociable pastime for a wide range of ages and levels across Caithness and Sutherland.”**

*Donna Stewart, Vice-chair of North Highland Harriers*



**“Windy Rig Wind Farm is another valuable contract for GTR. We are just one of several local businesses who are directly benefiting from the many wind farm developments within this area. This can only be a good thing for both local businesses and the local economy especially during the current pandemic.”**

*Tanya Russell, Director, GTR Contracts Ltd*



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## Community Benefit Fund

We are committed to setting up a Community Benefit Fund of £20,000 per annum. Our community benefit is the **first of its kind** for grid projects.

## Biodiversity Enhancements

Statkraft looks to actively improve the environment around our projects by planting wildflower meadows, hedgerows and trees. We look to improve habitats for a range of species where needed.

## Local Supply Chain

We work with local business groups to increase awareness of opportunities to get involved in the construction and operation of our projects.

**Over £1.6million was invested in the local supply chain at our Keith Greener Grid Park in Moray.**

Visit our website to find out how to register interest.



**Business Member**

# Next Steps

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**Your comments and feedback are important to us.**

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**There will be an opportunity to formally comment on the application when a proposal is submitted. All of the information will be available to view on the consenting authority's and our project website at the time of submission.**

**We are committed to engaging with the local community and would like to keep you informed. Contact us with your questions, comments or to subscribe for project updates.**



**Statkraft public exhibition at Keith Greener Grid Park**

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**We would like to keep you updated  
as our plans progress:**

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**Please return the freepost  
reply card provided.**



**UKProjects@statkraft.com**



**[www.statkraft.co.uk/  
swansea](http://www.statkraft.co.uk/swansea)**



**Phone the project hotline:  
0800 772 0668**



**Statkraft UK**

Regus House  
Falcon Drive  
Cardiff CF10 4RU

For more information  
about Swansea Greener  
Grid Park  
[www.statkraft.co.uk/swansea](http://www.statkraft.co.uk/swansea)

[www.statkraft.co.uk](http://www.statkraft.co.uk)

Phone: 0800 772 0668

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Statkraft is a proud partner of SolarAid, helping to provide access to clean energy for the most vulnerable across Africa.

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**WHAT IF YOU COULD  
HELP TRANSFORM  
A LIFE AND TACKLE  
CLIMATE CHANGE  
AT THE FLICK OF  
A SWITCH?**

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to find out more or donate:

