

Blackpool North & Fleetwood

# Gateway for Clean Energy

## Faster, Cheaper, Smarter Growth NOW



**Strategically  
Aligned**



**Innovative 'Sandbox'  
Framework**



**Cross Regulatory  
Collaboration**



**Whole System  
Efficiencies**



**Faster Grid Connections  
& Technologies**

### Lorraine Beavers MP

It is my pleasure to share with you this vision for innovative, cross-sector regional regulatory reform—designed to deliver smarter, cost-effective solutions that drive rapid growth now!

Developed in collaboration with local stakeholders across the business, community, and government sectors in my constituency, which spans Blackpool, Wyre, and Lancashire, this vision reflects our shared commitment to the clean energy transition and a catalyst for the Clean Power 2030 Action Plan.

Our approach is unique in how it harnesses local innovation, leveraging advances in technology, refining regulatory processes, driving systemic change and fostering multi agency collaboration. Together, these elements will spark regional development and sustainable growth.

**We invite you to join us on this transformative journey!**

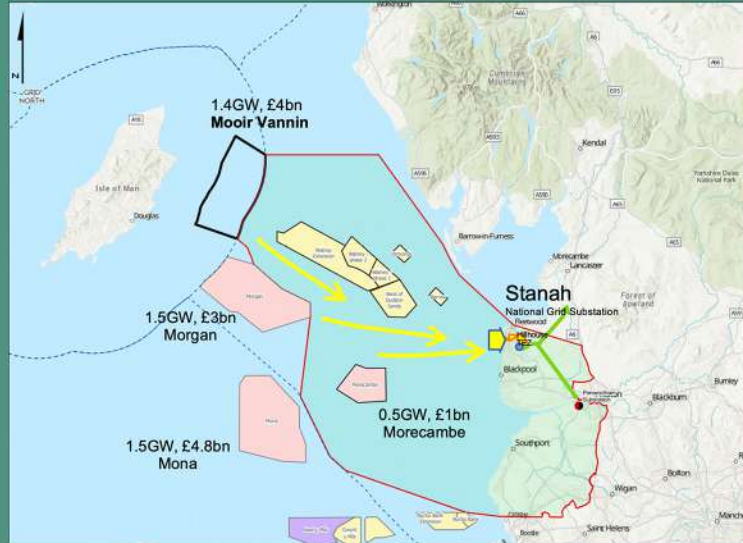




# Clean Energy Assets & Opportunities for Regulatory Innovation and Growth

## OWE Energy Opps & Nat Grid Connectivity

- ① **£12.8bn Eastern Irish Sea Offshore Wind Energy (OWE)**  
Private Capital Investment



- ② **Decommission of Last Generation OWE & Operations & Maintenance**



## Infrastructure & Resources

- ⑧ **Skills Pipeline:** B&FC Campuses (Bispham & Fleetwood Nautical); Lancaster University; HTEZ Tech Academy



- ⑨ **ENWL Distribution Network Operator**



- ⑩ **Business Energy Services Innovation - Ruby Energy**

- + **Lancaster University:** Cross Regulatory Innovation support

- ⑪ **Wyre Peninsula Rail Reactivation**

## Catalyst for Clean Power 2030 Action Plan

Electricity Networks & Connections   Planning & Consenting   Renewable & Nuclear Project Delivery   Electricity Market Reform   Short Duration Energy Storage & Flexibility   Long Duration Flexibility   Supply Chains & Workforce



## Geography & Geology

- ③ **Fleetwood Port, Harbour & Dock**



- ④ **Wyre Barrage 160MW Tidal**



- ⑤ **Green & Blue Hydrogen Energy Storage**



- ⑥ **Renewable Fuel Generators**  
Inc. Biomass, Solar PV & Waste

- ⑦ **Walney2 OWE 187MW**  
Converter Substation

## Industrial Base

- ⑫ **Stanah National Grid Substation**  
with existing overhead lines to Penwortham & Heysham

- ⑬ **35MW Gas Peaking Plant**

- ⑭ **Fylde Coast Energy**  
SMR 2 x 0.3GW

- ⑮ **Hi Energy & OWE Supply Chains**

- ⑯ **AI Growth Zone**

- ⑰ **Fleetwood & Hillhouse Technology Enterprise Investment Zone (F&HTEIZ) 138ha**







# Blackpool North & Fleetwood



## Growth Energy Innovation Regulatory Sandbox (GEIRS)

### Proposal

Blackpool North and Fleetwood 'Growth Energy Innovation Regulatory Sandbox' (GEIRS) is a constituency based cross regulatory innovative framework that allows new technologies, business models, or policies to be tested within a controlled environment. By temporarily modifying or relaxing certain regulatory requirements, in a specific and limited way a sandbox facilitates experimentation while managing risks, offering real-world insights for both regulators and innovators. In the UK's clean energy transition this concept holds significant promise for addressing regulatory hurdles, accelerating project timelines, saving money and leveraging private investment to drive growth now.

### Purpose

**Growth:** Showcase collaboration between regulators and local stakeholders to address regulatory barriers, driving regional growth and development.

**Planning and consenting:** Enable speedier planning and consenting processes through innovative cross-regulatory collaboration and forward-thinking legal mechanisms.

**National Grid connections:** Facilitate 'whole system cost' and public/private partnership approaches to electricity grid connections that demonstrate the time and cost savings of an 'end to end' approach to energy generation, transmission and connection.

**Technology:** Demonstrate clean energy and security technology solutions within the UK, ensuring commercial fairness, regulatory protection, and market scalability, while removing entry barriers and boosting investment incentives.

### Process



### Stakeholders



### Solutions

**Introduces** a new 'process innovation paradigm' to an established Regulatory Sandbox framework.

**Innovates** and informs SSEP, CSNP and RESP, providing learning for potential national replication.

**Stimulates** investor confidence, new supply chains and collaborative working for efficiencies & growth.

**Accelerates** the clean energy transformation by leveraging local solutions, & community cooperation.

**Meets** cross departmental objectives, in energy, security, communities, environment & growth.

**Government** leadership & regulatory participation enables GEIRS to accelerate the clean energy transition.

