**THE SOUTH WEST NATURAL POWERHOUSE**

Sustainable development of renewable energy and critical raw minerals

**WHAT**

South West England is endowed with some of the finest stocks of onshore and offshore natural capital in the UK. These varied and abundant resources have sustained life and benefited the economy for centuries and it’s critical to ensure their continued success for future generations.

**WHY**

Accelerated displacement of fossil fuels by renewable energy and responsibly sourced critical raw materials are essential for a net zero carbon future. Through the sustainable development of the region’s natural capital alongside our blue and green economies we will play a major role in delivering the goals of the UNSDG’s.

**HOW : THE SOUTH WEST NATURAL POWERHOUSE (SWNP)**

The South West Natural Powerhouse (SWNP) is centred around collaboration and a shared vision of clean growth through sustainable development and circular economy thinking. This innovative approach can create a supportive environment and conditions that will:

- Drive clean growth, sustainable development and resilience whilst accelerating the process of decarbonising our future
- Enhance the environment and people’s economic and social well-being
- Increase prosperity of our community through creation of a shared future, sustainable business and employment
- Support education and skills development to support the UK Government’s Levelling Up policy

**WHO**

The South West Natural Powerhouse (SWNP), a consortium from industry, academic institutions and local government is united by a common objective: to achieve net zero carbon in South West England by 2030. To achieve this, the consortium works collaboratively to foster responsible stewardship of the region’s abundant natural resources, ensuring a sustainable future in the development of critical raw materials and renewable energy and an accelerated development of our blue and green economies.

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**The Circular Economy**

Circular economy is based on the principles of designing out waste and pollution, reusing products and materials in an efficient manner to achieve the highest level of economic and social benefit.

**The Blue Economy**

The Blue Economy is an emerging concept which encourages better stewardship of our oceans in order to improve the environmental, social and economic well-being of future generations.

**The Green Economy**

The Green Economy is an economic activity that results in improved human well-being and social equity, while significantly reducing environmental risks and ecological scarcities. It is based on the principle of designing out waste and pollution, keeping products and resources in use for as long as possible, at the highest possible value, while improving the environmental sustainability of our economy. It encompasses a wide range of policies and strategies that promote a transition to a sustainable economy.

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**UNIVERSITY OF PLYMOUTH**

The Sustainable Earth Institute is about promoting a new way of thinking about the future of our world. We bring researchers together with businesses, community groups and individuals to develop cutting-edge research and innovative approaches that build resilience to global challenges.

**THE CIRCULAR ECONOMY**

1. Education & training for all ages to drive clean economic growth and sustain a green legacy.
2. Enhanced the environment and people’s economic and social well-being.
3. Increased prosperity of our community through creation of a shared future, sustainable business and employment.
4. Support education and skills development to support the UK Government’s Levelling Up policy.

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**THE HOW**

up policy.

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**Cornish Lithium**

Cornish Lithium is a pioneering Cornish eco-technology company, which focuses on the environmentally-responsible extraction of lithium from hard rock and geothermal waters in Cornwall's historic mining districts.

**Geoscience Ltd**

Geoscience Ltd is a geothermal consultancy providing services on commercial and domestic heat and power projects to developers, investors, funding agencies and regulators all over the world.

**The Cornwall and West Devon Mining Landscape World Heritage Site Partnership**

The Cornwall and West Devon Mining Landscape World Heritage Site Partnership prepares the Management Plan that defines the policies and strategies for managing the 20,000 hectares of internationally important former mining land across Cornwall and west Devon, monitors the condition of the Site, and supports regeneration, conservation and public engagement projects.

**The University of Exeter**

The University of Exeter encourages proactive engagement with business and community partners. Its Camborne School of Mines and Environment and Sustainability Institute are interdisciplinary units in Cornwall researching solutions to some of the world’s most important environmental challenges.

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**CDC**

CDC is Cornwall’s economic development agency that delivers a full suite of support to businesses in Cornwall. Through inward investment, export trade, support for innovation and provision of business support, CDC helps businesses and entrepreneurs create employment, deliver growth and make a contribution to a sustainable future for the region.

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