

Greater Brighton Energy Plan

Strategic fit with BEIS policy

- The Plan reflects energy-related aspects of the Industrial Strategy and the Clean Growth Strategy
- Responds to national trajectory for decarbonisation and clean growth

Context; Objectives and Benefits

- The benefits offered by developing an energy plan, will cover several areas: economic, social and environmental. In economic terms the plan would assist the Greater Brighton Economic Board (GBEB) to develop a better understanding of opportunities and constraints around energy and how these impact on growth. From this, approaches to mitigate constraints will be developed, futureproofing the region, ensuring resilience and a secure reliable energy supply.
- Opportunities will be identified to capitalise on growth and localisation of the energy sector through investable local projects for GBEB members, business and communities. The plan will assist the Greater Brighton City Region to develop as a smart, sustainable, low carbon region, securing a larger share of the growing energy sector.
- Social benefits will include developing strategic approaches and actions to ensure affordable energy and improve health and wellbeing, reducing the public cost of poor health from cold homes and poor air quality. The plan will address issues of polluting emissions associated with energy use in transport (electrification of transport) and buildings (electrification of heat), reducing local emissions to air. It would also investigate means to improve energy efficiency of homes across the region, to reduce fuel poverty, and associated poor health. Environmental benefits would include developing a clear plan to deliver clean energy and carbon reduction, in order to achieve national targets locally, and avoid catastrophic climate change.

Energy Plan Scope

To include (as recommended by BEIS)

- A clear analysis of the energy opportunities and challenges across the whole Greater Brighton region for power, heat and transport. This includes but is not limited to:
 - Energy use by businesses and industry
 - Energy use in local communities and the built environment
 - Energy use in the public sector estate
 - Energy required to enable growth and development
 - Low carbon transport
 - Infrastructure capacity and constraints
 - Supply and demand management including energy storage
 - Carbon capture, storage and use
 - Related products, services and business models
 - Research, innovation and the local knowledge base
 - Growth and jobs in the energy sector and the low carbon economy
 - Cost of energy and potential to retain value in the local economy
 - Estimates of energy demand and carbon emissions over time, and consideration in relation to relevant carbon targets
- Pipeline of potential energy and low carbon investment projects
- Energy and low carbon priorities for the LEP

- Arrangements for governance and delivery of the strategy
- Funding options to deliver low carbon energy projects
- Action plan, with responsibilities and timescales identified
- Any conclusions or recommendations for central government policymakers

Approach

- Consult GBEB and the Biosphere Delivery Board, identifying level of available support can be provided by members whether financial, information or officer capacity. This would inform capacity gaps and needs for technical expertise/consultants.
- Commission consultants
- Review existing evidence base and undertake analysis to fill gaps
- Assess baseline energy demands and carbon emissions and develop future scenarios
- Map assets, opportunities and challenges across the Greater Brighton area
- Undertake an appraisal of the different technology options available
- Map out energy supply chain opportunities and develop sector plans
- Assess economic impacts and links to the Strategic Economic Plan
- Engage with a broad range of organisations (private, public and third sector – including for example businesses, energy generators and infrastructure operators, local authorities, universities and community energy groups and other relevant organisations)
- Identify projects, agree Greater Brighton priorities, develop delivery strategy including governance and funding, complete action plan

Governance

- Subject to approval the plan would be owned by and report into the GBEB. Brighton & Hove City Council would take the client and co-ordination role on behalf of the GBEB. Much of the content and the specialist data and knowledge would be provided by key stakeholders on the GBEB and Biosphere Delivery Board.
- Infrastructure Expert Panel members, in addition to Southern Water are likely to include: BEIS Local Energy Team; Heat Network Delivery Unit; Energy utilities; UKPN; OFGEM; National Infrastructure Commission. Local stakeholders may include Community Energy Co's; low carbon growth sector businesses; Energy and Property Managers.

Timeframe

- Establish Infrastructure Expert Panel (December 2017)
- Scoping (Jan 2017)
- Invitation to tender (Jan 2018)
- Appoint consultants (February 2018)
- Consultants undertake baseline assessments (March-April 2018)
- Consultation with GB member and stakeholders (May-June 2018)
- First Draft (July-September 2018)
- Consult on First Draft Stakeholder events (October 2018)
- Produce final Draft (November 2018)
- Seek GBEB approval to adopt (December 2018)