Bridgend Council Decarbonisation



Bridgend County Borough Council Cyngor Bwrdeistref Sirol Pen-y-bont ar Ogwr

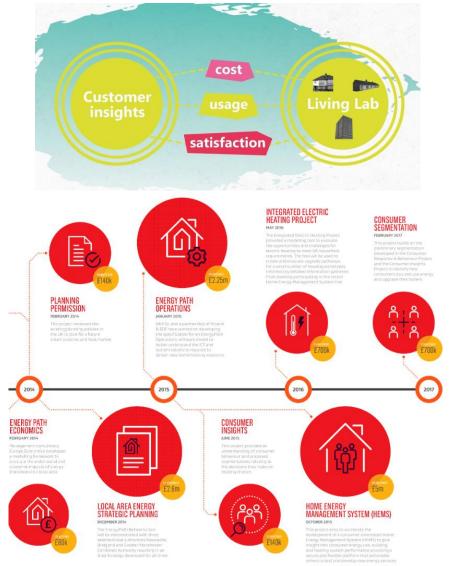


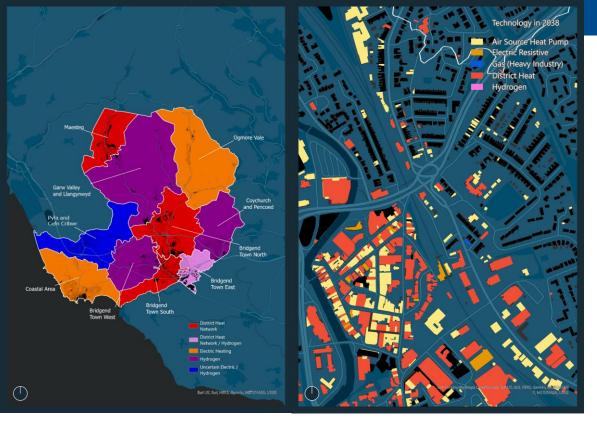
Smart Systems and Heat Programme



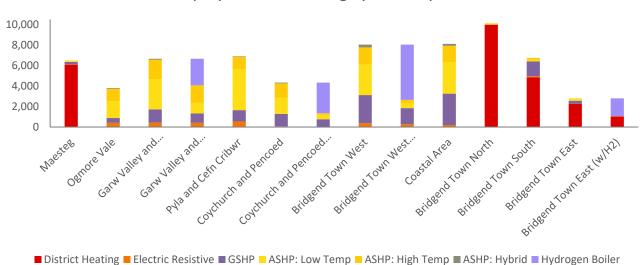




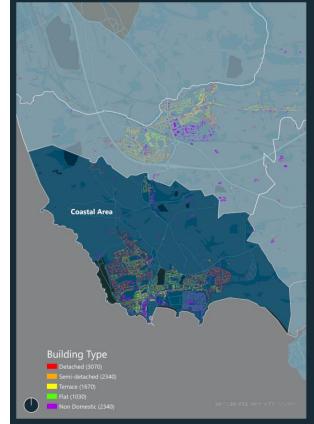








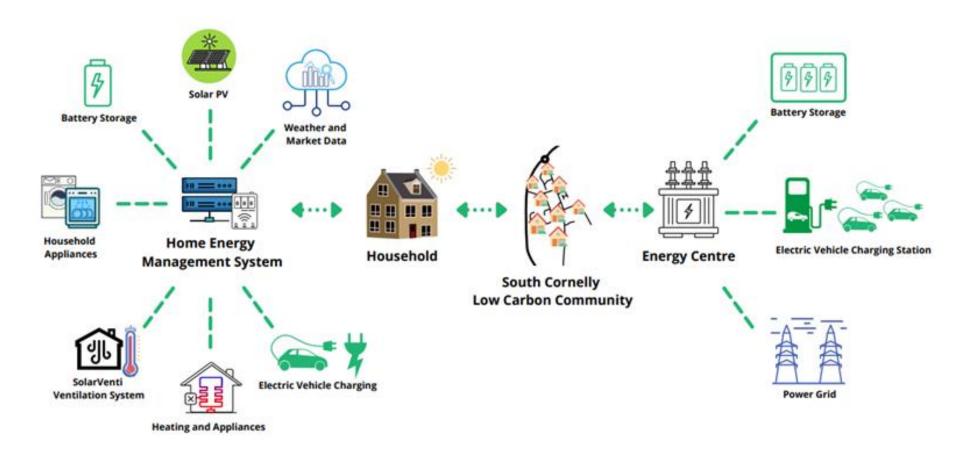
	Zone	Total Investment (£m)
	Maesteg	267
	Ogmore Vale	170
	Garw Valley & Llangynwyd	258
	Pyla & Cefn Cribwr	251
	Coychurch & Pencoed	183
	Bridgend Town West	218
	Coastal Area	300
	Bridgend Town North	424
	Bridgend Town South	417
	Bridgend Town East	192



Current Smart Energy Plan

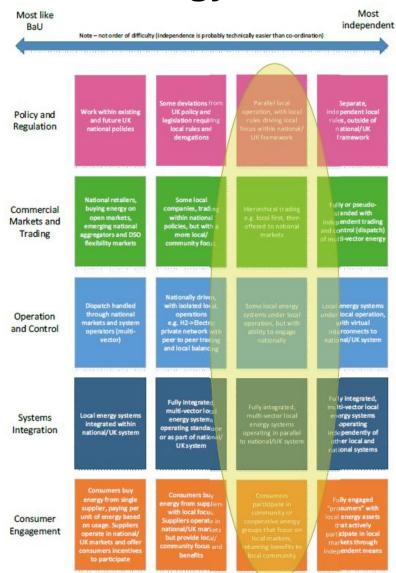
Leaves EU Larget/Dudget end - Smart meters rolled-out - WG elections WG RE Support Service end date WG RE Support Service end date WG RE Support Service end date WG elections WG elect	2040	2040	2020	2024	2022	2022	2024	2025
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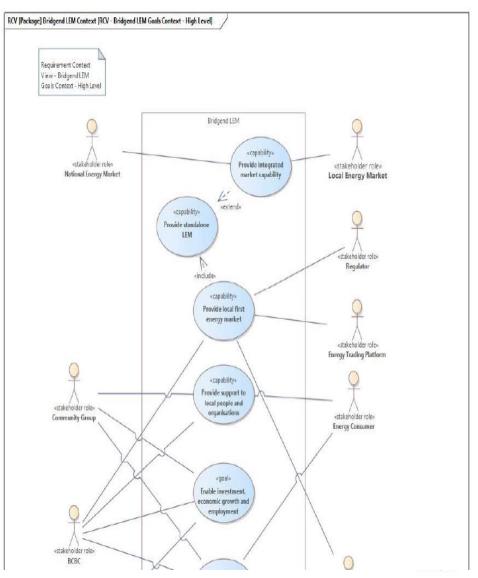
South Cornelly Local Energy Market





Local Energy Market System Architecture





How does Bridgend meet the challenges of climate change?





Bridgend's Citizen Climate Assembly





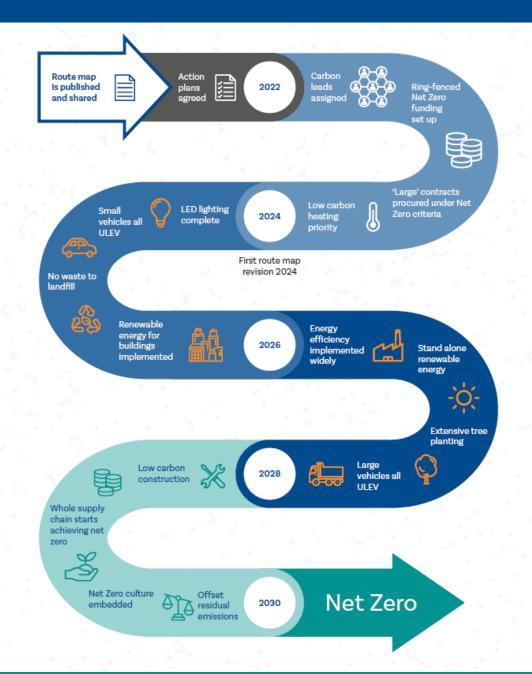
Carbon Management Initiatives

The council will appoint a technical expert in 2022 to undertake a more specific CM1 'bottom-up' reduction pathway, providing more detailed carbon and financial modelling results for the agreed Action Plans in the 2030 Strategy. Carbon impact and implications to be included in all council business cases for **CM2** investment, integrated with the wellbeing of future generations assessment. The decarbonisation agenda will be proactively communicated to staff to support the uptake of low-carbon behaviours. Carbon Literacy training will have been completed by the end of the 2022/23 СМ4 financial year and the training will be integrated into standard HR processes, such as e-learning modules. All council job descriptions will be updated to include the general carbon CM5 responsibilities of employees and selected key council job descriptions will include defined carbon responsibilities as part of their role within the council. Through its participation in the Local Government Pension Scheme, BCBC acknowledges that climate change and carbon emission management is one of the risk factors of responsible investment and will support and actively monitor the delivery of the Fund's commitment to an orderly carbon transition and its active engagement with investee companies to reduce carbon exposure across the Pension Utilise the Welsh Government Public Sector Carbon Reporting Guide to report annually the Carbon Footprints of council's operations, this will form the basis for tracking progress against the Net Zero 2030 target.

Land Use Initiatives

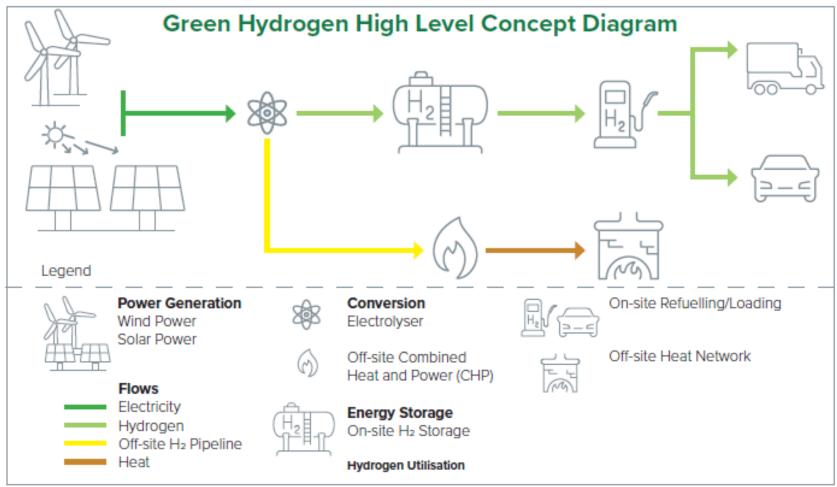
u	The council will support the delivery of LDP identified renewables and offsetting opportunities on its own land and neighbouring land, and also influence and support broader county-wide schemes through the council's role in planning.
L2	The council will improve its understanding of all owned land assets to correctly appreciate the levels of carbon sequestration by March 2023 and develop plans to maximise carbon benefits in these areas.
L3	The council will ensure all owned woodland and greenfield areas are maintained in a way to promote enhanced biodiversity and avoid any unnecessary loss of carbon sequestration.
L4	The council will identify its own and neighbouring land for large-scale renewable developments, primarily solar and wind projects. Private wire connections to owned sites will be prioritised over exporting directly to the grid.
L5	Where large-scale renewable developments are not possible, the council will prioritise these areas for afforestation/reforestation and biodiversity programmes on its own land.
L6	The council will undertake an assessment to understand the extent of peatland across its estate; a continual maintenance and regeneration programme will be put in place for any identified areas.
L7	The council will identify the additional maintenance resource needed to help kick start a more extensive green infrastructure programme across the county borough.





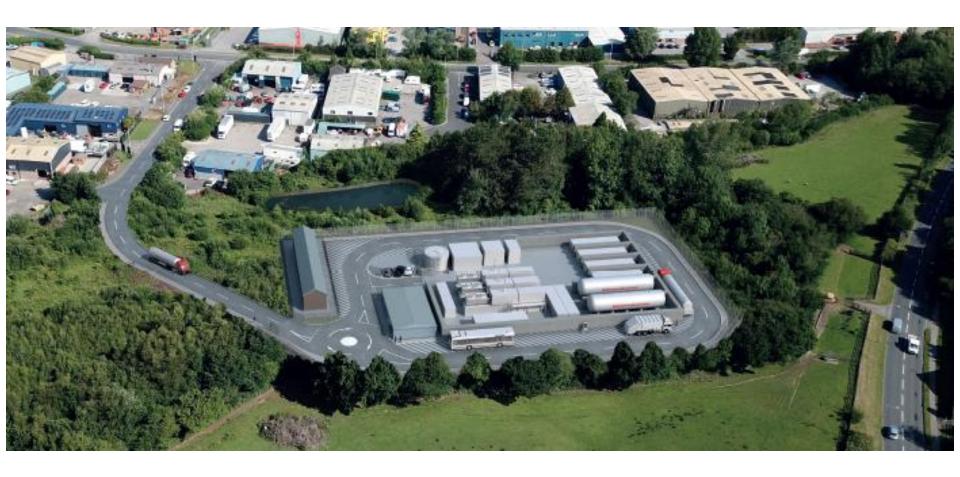


HyBont – Green Hydrogen Production





HyBont – Green Hydrogen Production



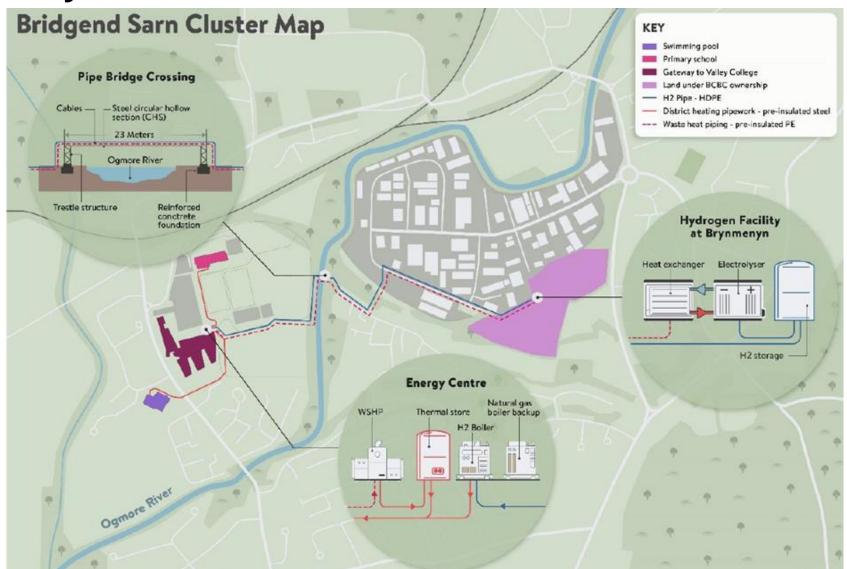


HyBont – Green Hydrogen Production





Ynysawdre Heat Network





Discussion

