

Innovative Housing Programme – IHP Year 1 (2017-18)

Scheme List - Short Description

1	Anglesey Council	Maes Y Ysgol, Caergybi	Beattie Passive solution using off site construction and a local labour force with creating enterprise factory in Holyhead.
2	Bron Afon	Ty Cyfle, Ty Rosser Gwyn, Torfaen	Comparing Modcell (straw bale and hemp), Wikihouse and SIPS. Manufactured on site or very nearby reducing carbon footprint to Passivhaus standard. The scheme will be linked to provide more community training opportunities.
3	Cardiff Council	Sea Containers, Bute Street, Cardiff	Offsite temporary accommodation using shipping containers on council land at Bute Town as 'meanwhile use' with leases lasting up to 5 years. The containers will then be moved to other council owned sites.
4	Cardiff Council	Greenfarm Hostel, Cardiff	Off site construction using re-purposed shipping containers built by Cargotek to address homelessness. Modified to suit the site location. Working with local community to facilitate routes into employment.
9	Coastal HA	Partnership proposal South Wales (Revenue)	Off site Pentre Solar System construction, a highly energy efficient scheme. Consuming only 12% of the energy of a traditional build, also generating additional energy that will be fed back into the grid. Constructed using local timber and passive solar gain. Local employment providing training and apprenticeship opportunities.
10	Denbighshire Council	Bodnant Apartments, 33 Caradoc Road, Prestatyn	Passivhaus –Homes with very low energy for heating and cooling and carbon-conscious both in terms of construction and lifecycle. Community training opportunities will be provided.
14	Grwp Cynefin	Maes Glyndwr, Cynwyd, Denbighshire	Fabric First approach (F1) Modular construction, the hybrid of SiP's and steel frame supplied by a local supplier. Apprenticeships, trainee placements and F1 will supply and support course material provided in construction modules at Colleg y Cymoedd.
17	Linc Cymru	Aberdare Extra Care, Club Street, Aberdare	Fabric First approach (F1) Modular construction, the hybrid of SiP's and steel frame supplied by a local supplier. Apprenticeships, trainee placements and F1 will supply and support course material provided in construction modules at Colleg y Cymoedd.
18	Linc Cymru	Caerphilly Magistrates Court, Caerphilly	Passivhaus a fabric first approach, energy efficient with reduced heating costs. With local materials with low embodied carbon. Apprentices will be created. St Martins School pupils will be supported to understand the engineering concepts used on the project.

21	Mid Wales HA	Croft Court, Brook Street, Welshpool	Passivhaus – using high performance home grown timber frame to produce an energy efficient development. Solar energy and PV will further reduce energy demands. The use and development of the local supply chain for materials and labour. Opportunities for employment in timber construction and training in complex mechanical and engineering fields used on site.
22	Monmouthshire HA	Start Up/Slim Down, Elm & Park Road, Caldicot, Monmouth	Flexible design - Suitable for constricted sites using low carbon materials with good energy performance from sustainable sources. Wherever possible materials will come from recycled products. Highly energy efficient homes will heat up steadily and cool down slowly. MHA will develop and use local skills through its own workforce, apprentices and skills wise programme.
23	ATEB	Glanrhyd, Ty Solar	System – off site Pentre Solar System construction, a highly energy efficient scheme. Consuming only 12% of the energy of a traditional build, also generating additional energy that will be fed back into the grid. Constructed using local timber and passive solar gain. Local employment providing training and apprenticeship opportunities.
24	ATEB	Land at Square & Compass, Ty Solar	System – off site Pentre Solar System construction, a highly energy efficient scheme. Consuming only 12% of the energy of a traditional build, also generating additional energy that will be fed back into the grid. Constructed using local timber and passive solar gain. Local employment providing training and apprenticeship opportunities.
25	Pobl	Active Homes, Neath Port Talbot	Trisowarm System using local timber - 63% of site energy will be Solar. Timber frames with off site manufacturing supplied by Seven Oaks from a factory environment in Neath. Targeted Community training opportunities developed around apprenticeships, work placements, work experience and the long term unemployed.
28	Swansea Council	Colliers Way & Cwrt Trevor, Penlan	Passivhaus – Timber-frame construction with 'wrap-around' insulated envelope. Delivered by the in-house team ensured the sourcing of local tradespeople, labour and material supplies throughout the construction-phase. Up-skilling the team and supply chain. 14 apprentices mentored by 20 sub-contractors have worked on the project, 68 weeks of practical work experience for 6 long-term unemployed. As a direct result of the work experience program 2 individuals have secured full time permanent employment on the project.
32	United Welsh	Former Cwm Ifor Primary School, Heol Aneurin, Caerphilly	Beattie Passive panelised timber system manufactured from largely natural materials, such as timber. Fabricated by low skilled workers, training opportunities will be provided locally through a training academy for construction workers to become certified to build the Beattie Passive Build System. Celtic Horizons will become certified to construct the frame and work with the local community through a structured training programme. Training opportunities could be targeted at the under

			35 and within the NEET category. PV panels, MVHR units, will require maintenance etc. but costs in this area have been driven down.
34	V2C	Heol Ynysawdre, Sarn & Maes Glas, Tondu	Wernick provide a 'turn-key' solution which will include all onsite works together with the provision and installation of the modular homes. Wernick will employ locally based construction companies, tradespersons and material suppliers wherever possible. Manufacturing these modules less than 10 miles from the construction site, and local community engagement at the development and manufacture stage. Wernick runs a CITB accredited apprenticeship scheme and offer full time apprenticeships for local people
35	V2C	Barnhaus Pilot, Plas Morlais, North Cornelly	Barnhaus frames manufactured off site. This fabric first approach means that properties are warm with limited air leakage. MVHR systems ensure air changes are made within the property and condensation issues are eliminated. The MVHR systems has avoided the need to install trickle ventilators which can lead to draughts within properties. The use of storey height windows enabled rooms to benefit from increased daylight factors.