

# Decarbonisation Conference

19 October 2021

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# CHC Decarbonisation Conference 2021

Tuesday 19th October

Climate change is an ever increasing priority. The Welsh Government declared a climate emergency in June 2019 stating that 'climate change threatens Wales' health, economy, infrastructure, and natural environment.' A year later, the Climate Change Committee's advice to set a net-zero target for Wales by 2050 was set in law by the Welsh Government.

This year the Welsh Government established a new Ministry for Climate Change, the IPCC released a stark climate change report, and in November we will see the UK host the 26th UN Climate Change Congere of the Parties (COP26).

Homes in Wales are responsible for 27% of all energy consumed and 15% of all demand-side greenhouse gas emissions, giving homes a key part to play in tackling climate change. The Better Homes, Better Wales, Better World report has recommended that the social sector commence a 10-year programme to retrofit homes to EPC A, and building regulations will require new build homes to be low carbon.

This October, CHC will be holding its Decarbonisation Conference which will look to understand the reasons for decarbonising, how the foundational economy can be supported, how and why tenants should be engaged with, and how innovation can support the transition to a low-carbon society.

The coronavirus pandemic has demonstrated that our homes have never before been more important. These homes should be of good quality, affordable and energy efficient, where tenants feel safe and warm.

Decarbonisation represents an opportunity to boost the local economy post-covid by creating jobs, developing training programmes and supporting supply chains.

Housing associations in Wales are ambitious to decarbonise. To decarbonise not just homes but businesses, services, and communities too. This conference will engage, support and motivate attendees to scale up and undertake decarbonisation in the most effective, sustainable way.

*Conference kindly sponsored by Welsh Procurement Alliance*

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## Tuesday 19th October 2021

9.00am	<b>Registration, networking and exhibition viewing</b>
9.30am	<b>Welcome and scene setting</b> <i>Conference Chair   Jane Davidson   @JaneBryngwyn</i>
9.45am	<b>Tackling the climate emergency</b> <i>Luke Murphy   IPPR   @LukeSMurphy</i> <p>Luke heads IPPR's Environmental Justice Commission and leads the Energy, Climate, Housing and Infrastructure team. Before joining IPPR in 2016, Luke worked in parliament, the voluntary sector and the private sector. Luke has worked for the Labour party as a policy and political adviser for a shadow secretary of state and successive shadow housing ministers leading their work on housing, also working on local government and devolution. He has worked on policy and advocacy projects for the Living Wage Foundation and a leading housing association. Luke also has significant experience in communications and campaigning.</p> <p>Responding to the climate and nature crisis will require changes that will affect people's everyday lives. The transition to a green economy presents many risks but also a huge number of opportunities, In this session Luke will set the scene, give his perspective on the very real impacts of the climate crisis and demonstrate how housing is part of a huge global movement contributing to the solution.</p>
10.30pm	<b>A series of workshops -</b>
	<b>Monitoring Domestic Energy Performance</b> <i>Dr Jo Patterson   Welsh School of Architecture   @JoPatterson74</i> <p>Dr Patterson will speak about insights from the research that the Low Carbon Built Environment team have undertaken with a range of local authorities and social housing organisations across Wales to implement whole house, whole energy system retrofit projects. The work has involved close collaboration with residents, local authority and social housing staff and supply chains to successfully deliver low carbon, low energy and</p>

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	high-quality homes for the future whilst changing practices for future improvements to both existing and new build homes.
	<p><b>Energy as a Service</b>  <b>Edmund Hunt   Energy Systems Catapult   @EnergySysCat</b></p> <p>This session will look at what role energy as a service could play in supporting housing associations with decarbonisation ambitions. Heat as a Service is a new model for how businesses sell heating. Consumers who buy Heat as a Service choose how much to spend on the experience they want – feeling warm and comfortable when and where they want in their homes – instead of paying for kilowatt hours of energy. Once a service provider understands a consumer, the service provider can help them pick the best low carbon system for their situation, and help them prepare their home, so it is easy to install when they want to replace their existing. Ed from Energy Systems Catapult is going to guide us through what energy as a service is, how it works, how it can benefit tenants, and how it can present an opportunity to social landlords.</p>
	<p><b>Tenant Engagement</b>  <b>Laura Holt   Active Building Centre</b></p> <p>This workshop will be looking at :</p> <ul style="list-style-type: none"> <li>• The benefits of low carbon living for residents.</li> <li>• Best practice for zero carbon resident engagement.</li> <li>• Social impact of retrofit.</li> </ul>
	<p><b>Down to Zero - decarbonisation through land-based draw down of CO2</b>  <b>Claire Snook, Samkat and Victoria Slade, Cynon Taf Community Housing Group   @CynonTafHousing</b></p> <p>In late 2020 Cynon Taf Community Housing group board committed time and resources to investigating a carbon reduction strategy including a land-based draw down of CO<sub>2</sub> plan. This has developed to: Decarbonisation through land-based draw down of CO<sub>2</sub> – in simple terms, using land to reduce the carbon in the atmosphere. This project is called Down to Zero.</p>

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	Claire and Victoria will share with delegates the progress of the project and the journey they have been on and their learnings so far
11.30am	<b>Chance for a cuppa &amp; chat</b>
11.45am	<p><b>Main Session: Lee Waters MS - Deputy Minister for Climate Change   @Amanwy (invited)</b></p> <p>The new climate change ministry established by the Welsh Government includes housing. In this session Lee Waters MS will outline the Welsh Government's vision for climate change and how housing associations play a part in reaching ambitious net-zero targets.</p>
12.15pm	<b>Lunch and Networking</b>
1.00pm	<b>A series of workshops -</b>
	<p><b>Offsite Manufacturing: The good, the bad and the ugly</b>  <b>CastleOak   @CastleOak</b></p> <p>This would be an honest and interactive session condensed into bite-sized advice for housing associations who are looking to venture into sustainable housing. Here we'd be looking to share some genuine advice:</p> <ul style="list-style-type: none"> <li>• When is it right to use offsite manufacture and when might other options be more suitable? What other forms of sustainable manufacture exist?</li> <li>• What is the difference in experience from a customer perspective?</li> <li>• What are the genuine watch outs? What can go wrong during and after build?</li> <li>• What's the cost difference? Both lifetime and upfront? What can they do to minimise costs during?</li> </ul>

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	<ul style="list-style-type: none"> <li>Is there anything else that a firm stepping into this for the first time should know before they go down the route of offsite?</li> </ul>
	<p><b>Community Energy</b>  <b>Dewi Llwyd Evans   YnNi Teg   @YnNiTeg</b></p> <p>In this session delegates will hear how housing associations can get involved in community energy and hear from examples from YnNi teg and Ynni Ogwen</p>
	<p><b>Financing decarbonisation</b>  <b>Professor Nick Robins   Grantham Research Institute on Climate Change and the Environment  @GRI_LSE</b></p> <p>In this session delegates will hear the financing challenges and opportunities of net zero, what this public and private finance could look like, and how we can ensure investors and bankers recognise the need to support decarbonisation / climate action.</p>
<b>2.00pm</b>	<b>A Chance for a coffee and Chat</b>
<b>2.15pm</b>	<p><b>Scottish Government's approach to decarbonisation</b>  <b>Ragne Low, Heat Planning at The Scottish Government   @RagneLow</b></p> <p>In this session we will hear about the Scottish Government's approach to decarbonisation and the support that they are giving housing associations, as well as their role in COP26.</p>
<b>2.45pm</b>	<b>A Chance for a Coffee and Chat</b>

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3.00pm	<p><b>Sustainable Design</b> <b>Professor Yewande Akinola MBE, Award-winning Design Engineer, Innovator and Clean Growth Champion   @YeWanDae (invited)</b></p> <p>Professor Yewande Akinola MBE is a chartered engineer, an innovator, a dreamer and speaker with passion for the role of innovation, creativity and engineering in our world today. Yewande is an ambassador for clean growth &amp; infrastructure at Innovate UK.</p> <p>In our final session today, Yewande will inform and inspire delegates speaking about her work on sustainability, innovation, and diversity, and how these can and should be applied in the housing sector to tackle climate change</p>
3.45pm	<b>Conference Reflections and Close</b>

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