Waste and Resource Use Category Group Meeting
Thursday 22nd September, online

Date: Thursday 22nd September 2022

Attendees: Adrian Hill (Bellway), Anthony Lavers (Taylor Wimpey), Ashwin Halaria (Symmetrys), Charles Law (TDUK), Chris Haye (Countryside), Craig Bartlett (MDF Recovery), Courtney Cummings (Lovell), Molly Dowling (Laing O'Rourke), Elizabeth Edgington (NG Bailey), Gerald Laxton (Vistry), Stephen Gough (Severn Trent), Sally Grewcock (Laing O'Rourke), Faye Hyslop (SGN), Jonathan Ayton (Willmott Dixon), Kirsty Dunne (Osborne), Leila du Toit (Canary Wharf Group), Mark Turner (Supply Chain Sustainability School), Matt Nichols (Reconomy - Chair), Matteo Attanasio (Symmetrys), Naomi Pratt (SCSS), Olivia Ward (Redrow), Alejandra Perez Pastor (SP Energy Networks), Amanda Porritt (Colas), Gareth Rondel (Barratts), Sirio D'Aleo (Berkeley Group), Steve Lane (Tilbury Douglas), Tim Wood (Social Value Portal), Tobias Jones (Crest Nicholson), Daniel Whiteley (BAM), Will Keer (Biffa), Zach Pears (Octavius Infrastructure)

Apologies: Peter Robinson (Vistry), Christina Girvan (Saint Gobain), Nick Ribbons (Zero Waste Scotland)

Summary of Actions and Notes from the Waste and Resource Use Category Group Meeting

No	Notes	Actions	Owners
1	**Welcome and introductions** • Matt Nichols welcomed new members from NG Bailey, Octavius, the Social Value Portal, Scottish Power Energy Networks, and Biffa		All
2	**Resource updates** • Subtopic webpage can be viewed here • Several new resources on the school website – these can all be viewed here. **MEP map** • We had reports of fruitful use of the MEP map through a Hinkley point supplier linking up with the Somerset Community Wood Recycling Project • The school's login process is being refreshed to be more streamlined which should encourage more people to create a login • Would be good to clarify some of the categories we add information for – exchange type etc. **Learning Pathways** • We have two waste Learning Pathways. Members and partners of the school can create bespoke learning pathways using these as base content and, if they wish, adding content of their own to complement that provided via the School. **Construction lifecycle waste** • This web feature organises resources into sections of the construction life cycle, along with related themes such as carbon. Based on the CLC's Routemap for Zero Avoidable Waste.	Please think about resources and case studies to submit and forward to Naomi or Mark Run through these categories again and make sure they are user friendly Partners please make use of these and feedback areas for improvement / suggest resource additions	All School team All
3	**Work programme** • Ran through programme (see slides). More work needed in understanding plastic and aggregates recycling infrastructure in the UK		

	• Positive feedback received on the list, some key points - working with other stakeholders is important - Partners can suggest new additions to the list for consideration by the group • Gerald Laxton mentioned that guidance notes indicating how to get more subcontractors to become more involved would be of use. Mark T mentioned that case studies from HE Simm and Redrow highlight some ways to help achieve this.	Forward HE Simm and Redrow resources to Gerald Laxton - Vistry	
4	**UKGBC report** NP summarised the recent UKGBC report on whole life carbon and circular economy. Key takeaways: • The carbon impact of waste is becoming much more of interest to stakeholders • Opportunity for the School to help clarify how to take account of this		
5	**Symmetrys – steel reuse presentation** There was a gap in guidance on how to go effectively about this, with steel being commonly recycled but rarely reused. Client interest incentivised Symmetris look into the opportunity. Process: Stockist tested and recertified the steel and it was then sent to a fabricator Challenges and opportunities: • finish – normally steel comes out of building in decent condition, it is often concealed in new building or client can keep imperfections as part of the narrative • cost (perceived) - however prices for reclaimed steel are currently lower as steel prices have rocketed recently – there has also been a significant drop in the price of steel for recycling due to problems in Turkey where a lot of re-smelting takes place • timescale – reuse has been achieved at RIBA stage 3 but you would ideally engage design team and other stakeholders in stage 1 • stockists – not many set up to accommodate reuse – this could grow however given the opportunity for carbon and cost savings • quality of the material - not all available to reuse, however shear studs, existing bolts etc can be dealt with • mindset and current practice – this is the biggest issue as demolition contractors default is to cut into sections so the supply of material is not as high as it could be – stockholders don't have enough stock to list reused steel Results: • Over 90% reduction in embodied carbon is achievable vs recycled steel • Feeding knowledge back in to designing for deconstruction • Suppliers are helping Symmetris push this with NFDC and they are speaking with demolition groups • Really good response from engineering community and more work coming off the back of their demonstrator project	Add SCI guidance to resource library Developers: ask for reused steel Contact Ash for more details ash@symmetrys.com	NP

6	**Training programme** • We recently ran an innovation showcase with the Pallet Loop, HE Simm and Tarkett presenting. • Upcoming sessions: Social value for offsite report launch and EPD Business Bytes	We'd like to run more sessions like the showcase so let us know if you have something good to share	All
7	**MDF Recovery and Timber Development UK** • Timber Development UK are looking across the whole value chain, seeking to connect supply chains and creating a library of technical specifications, developing a net zero carbon roadmap by end of 2022 • Only a small amount of MDF is recycled or reused with most incinerated. Post consumer MDF waste is the most challenging to divert with a high demand from biomass energy in some regions. • MDF Recovery are already moving forward with trial technology for recovering MDF. It needs to be segregated at source for this to happen, though this is not done routinely with much material entering dry mixed recyclable skips • MDF is recycled by dropping material into a heated water bath. Hot water softens the material and fibres are separated from the resin and glue. These can then be dried using a process of running a current through the material. It can then be used in manufacture of new MDF, or alternatively made into insulation • The process can be bolted on to the MDF manufacturing process to capture any waste from that stage and run the material back in as feedstock, reducing costs for manufacturers. • Partners can investigate sending waste to MDF Recovery to use in trials at their factory in Manchester. In due course they will be looking for larger scale commercial feedstock loads. • Glue solids can be removed from the wastewater and are currently sent for incineration	Think about where this waste is produced and consider: -whether recovered MDF can be integrated into your assets - whether you have segregated material that could be used in a trial Contact Craig Bartlett for more details on MDF Recovery craig.bartlett@mdfrecovery.co.uk 07803 607087 Contact Charlie Law for anything on TDUK: claw@timberdevelopmet.uk	All
8	**Homes packaging project – follow up opportunity** • What more can be done to reduce packaging without damaging materials? • Suggested next steps: review work to date then start working more closely with more School partners, manufacturers and suppliers to understand what might be done industry-wide. • Biffa, Michelmersh, Taylor Wimpey, Barratts, Bellway, Crest Nicholson, Vistry, Zero Waste Scotland, Reconomy, the Pallet Loop and potentially McCarthy & Stone have all expressed interest in principle in being involved in the next stage • As this is not included in the School's budget and business plan a contribution will be required from partners to enable the work to take place. This is likely to be in the order of £2,000 plus vat.	Partners that have expressed interest are asked to confirm this with Mark T. If any other partners wish to be involved let us know A follow up email will be sent to all interested parties.	All School
9	**AOB** • No other business		

9	**Next Meeting** • TBC - December	Send invitations	NP