Waste and Resource Use Category Group Meeting
Wednesday 15th November, online

Date: Wednesday 15th November 2023

Attendees: Mark Turner (Supply Chain Sustainability School), Lucy Picken (School), Matt Nichols (Reconomy), Zach Pears (Octavius Infrastructure), Steven J. Barton (AmcoGiffen), Anna Urso (ACO Technologies), Ricardo Guimaraes (Biffa), Monika Wojda (McLaughlin & Harvey Construction), Cromwell Tamakloe (TfL), Tom Pittock (Onsite Support), Adrian Hill (Bellway), Amanda Porritt (Colas Rail), Kate Rider (Anglian Water), Andrew M Hope (Kier), Andrew Boyd (Kier), Martin Ballard (Wates), Jonathan Ayton (Willmott Dixon), Lizzie Eyre (Taylor Wimpey), Tobias Jones (Crest Nicholson), Helen Spafford (North Wales Construction Partnership), Nick Ribbons (Zero Waste Scotland), Craig Thom (SSE), Sophia Borgese (TfL), Oliver Peat (Veolia), Eleanor Horton-Smith (National Grid), Briony Bendle (Veolia), Wendy Storey (Suez), Aneta Szypula (VP Groundforce), Anastasios Skitzis (Landlease), Maddie Hall (Veolia), Jon Tucker (Telford Homes), Olivia Parry (Redrow), Daniel Encinas Del Rio Del Rio (SP Energy Networks), Sirio D'aleo (Berkeley Group), Adam Cane (ACO Technologies), Steven Wheeler (CW Contractors), Lindsay Roberts (McCarthy Stone), Lyndsey Morrison (School), Olivia Cairney (Balfour Beatty)

Apologies: Diana Dzhambazova (Knauf Insulation), Roger Wright (Biffa), Leila du Toit (Canary Wharf Group), Martina Silickis (Balfour Beatty), Sarah Claypole (ACO Technologies), Peter Robinson (Vistry), Charles Eddington (Strabag), Stacey Burton (Tilbury Douglas), Gary Crumlish (VP Groundforce), Jane Whittingham (EMCOR Group), Jodie Culbert (Veolia)

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

No	Notes	Actions	Owners
1	**Welcome and introductions** • Apologies noted and new group attendees welcomed from Anglian Water, AmcoGiffen, ACO Technologies, Kier, Transport for London (TfL), Biffa, VP Groundforce, Wates, Veolia, McLaughlin & Harvey		
2	**Details of the work of our group** • Work of our group and intervention points was outlined. • Business planning to be discussed during this meeting. This is important as we will discuss: what are we going to spend our time, effort and resource on in FY 2024/25 – starting April 2024. **Work programme and resource updates** Waste and Resource group page can be viewed here Subtopic webpage can be viewed here. New resources on the school website – these can all be viewed here – filtering by Waste and resource efficiency in subtopic. **Continued development by the group:** • Overview of the work programme discussed – we have achieved or are going to achieve our development goals. • We are starting to focus in more detail on EPR. • We are also starting to look at the issue of digitisation of waste tracking and the impact that it has. This follows on form the recent announcement on timescales by the Environment Agancy stating that digital waste tracking will be mandatory from April 2025. A virtual conference on this topic will be taking place on 20th February.		

• We have focused on project lifecycle waste, circular economy and packaging a lot over the past year. This includes the housebuilding sector packaging report. • We are now trying to develop our work baselining waste and resource efficiency related KPIs that are being used across the industry. We would like to build a group of KPIs and create a framework looking at: standard KPIs, challenging KPIs and the 'best in class'. We are putting together what we have and what we know and what we think would work, for the use of our partners – we urgently need contributions form out partners to ensure as wide a set of currently adopted KPIs as possible. • KPIS – UK contractors' group did some work on this in 2015 - metrics were put together by BRE for the sector. Rather than starting fresh, we could use this as a baseline and develop using current and upcoming KPIs, metrics etc. There is work being done at the moment to improve on existing content. This includes a range of metrics on biodiversity, water, and waste and resource efficiency. • Martin Ballard chairs the CIWM Cons, Demo & Excavation (CDE) RE&W Technical Advisory Group and has kindly agreed to set up a collaborative meeting with colleagues who have been involved in the above exercise covering industry metrics for waste reporting. • NB - the Future Homes Hub has made a similar offer on collaboration. • We have not done much on carbon impacts of waste. The move to digitised waste tracking may help in this respect.	Please send over any ideas or content you have to help this work – especially existing or planned KPIs etc Martin Ballard – (has already begun with arranging this) Mark T to follow up	All MB (Wates) MT
Some new resources added recently include: • Ibstock Case Study: Reducing Plastic Packaging • ZAP Toolkit • Packaging Optimisation Showcase: Virtual Conference Recording • Packaging Optimisation in the Housebuilding Sector Report • Reconomy Guide: How to dispose of WEEE waste	Please think about relevant resources and case studies to submit, send to LP and MT	All
MEP map • A means for identifying organisations that will accept items and resources fit for waste that can be reused – reused for intended purpose. • Currently seeing a modest upsurge in use but we would like to see it used more and to receive more examples of reuse via MEPs.	Please let us know thoughts on the MEP map including how you think we can improve this Please submit new MEPs you encounter through this form	All All

	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, add content of their own to complement that provided via the School. There is a gap between assignments and completions – can we PLEASE improve uptake and completion? If these LPs do not work for you, please do let us know so we can improve them. **Construction lifecycle waste** • The web feature can be found here - please use and suggest additional resources for consideration.	Please let us know if you have any recommendations on how learning pathways can be improved to increase uptake Any further case studies to be sent to MT and LP	All All
3	**Training programme** • We will be running a webinar addressing the fundamentals of EPR with Biffa on EPR, on 28th November. This is important as organisations should be recording this information now in preparation for the payment regime but a lot of organisations may not be doing this yet. Biffa will be talking about this. • We will also be running a School Virtual Conference on digital waste tracking for the built environment on **20th February 1pm – 3pm**. Digital waste tracking and reporting will be a reality, with a trial run beginning from April 2024 for a year, then this will be mandated from April 2025. Organisations not complying will be in breach of legislation. **Note: this is not yet on the School website, but will be released for registration soon. Please SAVE THE DATE.**	Please register if interesting in attending training	All
5	**Homes packaging project overview** • We have now completed and released our Packaging Optimisation in the Housebuilding Sector Report. • The learning in this report extends beyond the housebuilding sector, with the ideas included providing potential solutions for any organisation interested in optimising the packaging they generate, transport or receive on site. • We also hosted a virtual conference to showcase the report. You can seethe recording of this at the link.	Please download and read the report and recommend to colleagues.	All
6	**Waste monitoring and reporting project** • We have requested KPIs from our partners on waste monitoring and reporting. **Group discussion summary:** • There is widespread interest within the group in making progress in this area. • A question was raised – are waste management companies conducting thorough checks on skip contents or are the figures and data being provided actually averages? The suggestion is that largely, figures are based on whole waste transfer facility. High diversion rates but there is a need to be sceptical and to not make unsubstantiated	Please send MT and LP any other KPIs you have	All

	claims when reporting diversion, recycling rates etc. – is it your individual skip? How do they check the contents? • Digitalisation – no reason for there to not be complete transparency. There is a need to get to a point where people are fully confident with the information they are being provided. Standard measurements are crucial to improving the situation and digitalisation could provide a major part of the solution. • We could be measuring tonnage per unit – equivalent to build unit? Or other parameters? Need a consist way to measure this that takes into account build type etc. • 100% recycle rate – how is this being achieved? Need to demonstrate how this is being achieved – for instance, is a lot of material actually just being recovered rather than recycled? • Sampling – we need a robust sampling regime. This could be put into contracts. This includes sampling at the source of particular waste streams. • Segregation – important to improve the quality of individual waste streams However, this could also lead to more transport and lead to increased impact on net zero and carbon emissions (a potential unintended consequence in some circumstances of a push to greater circularity). • Building on the above – could have more skips on site with capacity to hold properly segregated waste, so that we can prevent this increased movement of waste streams. This in theory is good waste planning and could bring about an improvement on cost and emissions. However it is also important to consider site layout and available space for segregation etc. • See Jamboard below for goals, targets, indicators and metrics discussed during the meeting.		
7	**Waste and Resource Use Group Business Planning** • A discussion took place focused on the outcomes of the School's impact survey and headline results. • Topics considered and discussed included: key learning priorities, balance and volume of training activity, key sustainability challenges in the sector, any key activities to improve sustainability performance / additional work above the budget of the group. • A lot of useful content was collated culminating in the agreement of four priority challenges for the group to address as workstreams to be put forward for approval in FY 2024/25. These are: - **Developing and using better KPIs** - **Digitising waste tracking** - **Achieving zero avoidable waste by 2030** (Definition for Zero Waste to Landfill so everyone is working off the same definition and understanding) - **addressing all other relevant legislative and policy updates** (for instance RPS211 in Scotland, Consistent Collection in Wales, etc)	Revisit content and offer comments for improvement	ALL

	• See Mural results below for these and other key outcomes of this detailed discussion, which will form the basis for the group's 2024/25 operational planning. Opportunity remains to improve and adapt this content if the outcome would be beneficial for the whole group.		
8	**AOB** • Next meeting date – 13th February 2024, 10am-12pm	Circulate invites	LP

Goals

e.g. 90% waste reused or recycled or X% reduction in waste intensity by date x against date x baseline

Current reported figures (public domain for Kier) relate to % diversion rate from Landfill for demolition, excavation and construction waste

Manufacture perspective - Reduce volume of packaging per product.

Bellway - Reduce average waste per house - target of 7.1T

participation rate in recycling services

Do we count waste just skipped? Or all waste including what goes off site via subcontractors and suppliers?

increase recycling rate from 98-100% where possible

Find sustainable alternatives i.e. recycled materials, compostable or biodegradable. preferably the later and made of organic.

reduce packaging waste

implement material management more often to avoid excess soil and aggregates to be removed off site.

Zero "avoidable" waste recorded in m3/£ million turnover

Prevent the generation of waste - e.g. CLAIRE DoW CoP, reuse of demo materials

General goal to improve accuracy of construction waste reported & challenging what the waste figures are made up of

Ensuring waste providers define waste disposal correctly, using consistent and clear terminology. eg "recycled" should not mean waste to energy!

Agree a definition for "Zero Waste to Landfill"

High level - Resource efficiency - We will work with our supply chain to use resources in a sustainable way throughout a projects life-cycle. Part of evolved sust framework.

General goal to improve data reporting and accuracy / detail from our supply chain / projects.

Biffa - segregation at site level is by far the best approach if possible to do - will give much more certainty

Targets

e.g. reduce avoidable waste to landfill or Reduce waste intensity

Reduce virgin material used. % TBC

More than 90% of waste diverted from landfill

Good waste planning will help reduce vehicle movements - skips planned for segregation

Think in terms of the balance between circularity and net zero

Diversion from landfill rate of 100% by 2026

reduce construction waste intensity (t/100sqm of completed floor area) - percentage reduction tbc

Reuse or recycle more than 98% of total waste

Robertsons - using the waste hierarchy to address what ends up as RDF rather than recycled. Also conducting site audits,

Reduce "waste" packaging by x% (tbc) by 2026

Become zero waste company by x year (still TBC)

TBC across the Kier Group but looking to agree a 20% reduction target by 2027 - measured as Tonnes of waste / £M of revenue

Zero waste to landfill by 2028

Problem with information being based on industry averages rather than content of actual skips etc.

Achieve Zero Avoidable Waste for our sites by 2030

Getting standardised measurement will be crucial to improvement

TOP 5 RANKED CHALLENGES

Partners (unprompted answer)
Free text answers in response to the question
129 responses

Partners (prompted answer)
% more of this topic
194 responses

Members (prompted answer)
% more of this topic
278 responses

CONTENT – PRIORITY AREAS RANKED
24/25 vs 23/24

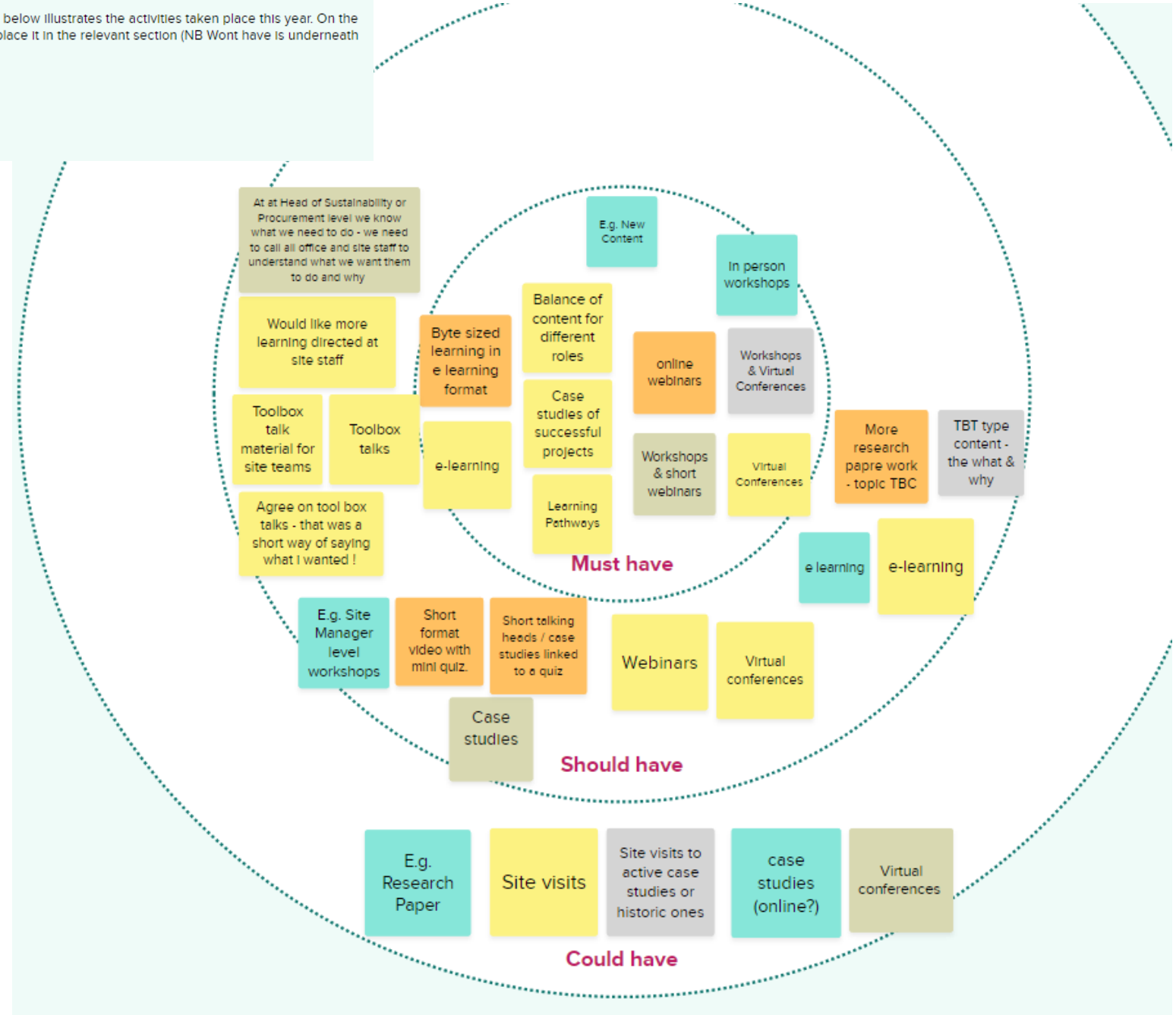
Topic	2024/25 Partner	2024/2025 Member	2023/2024
Sustainability	1	1	1
Procurement	2	2	2
People	3	3	3
FIR	4	6	4
Management	5	4	7
Digital	6	7	5
Lean	7	5	8
Offsite	8	8	6

QUESTION 2: Consider the balance of training and content. Agree as a group which activities you need to do more, the same or less of.

GROUP TWO please complete this section. The table below illustrates the activities taken place this year. On the circle below, write the activity on the sticky note and place it in the relevant section (NB Wont have is underneath the circle).

GUIDE:

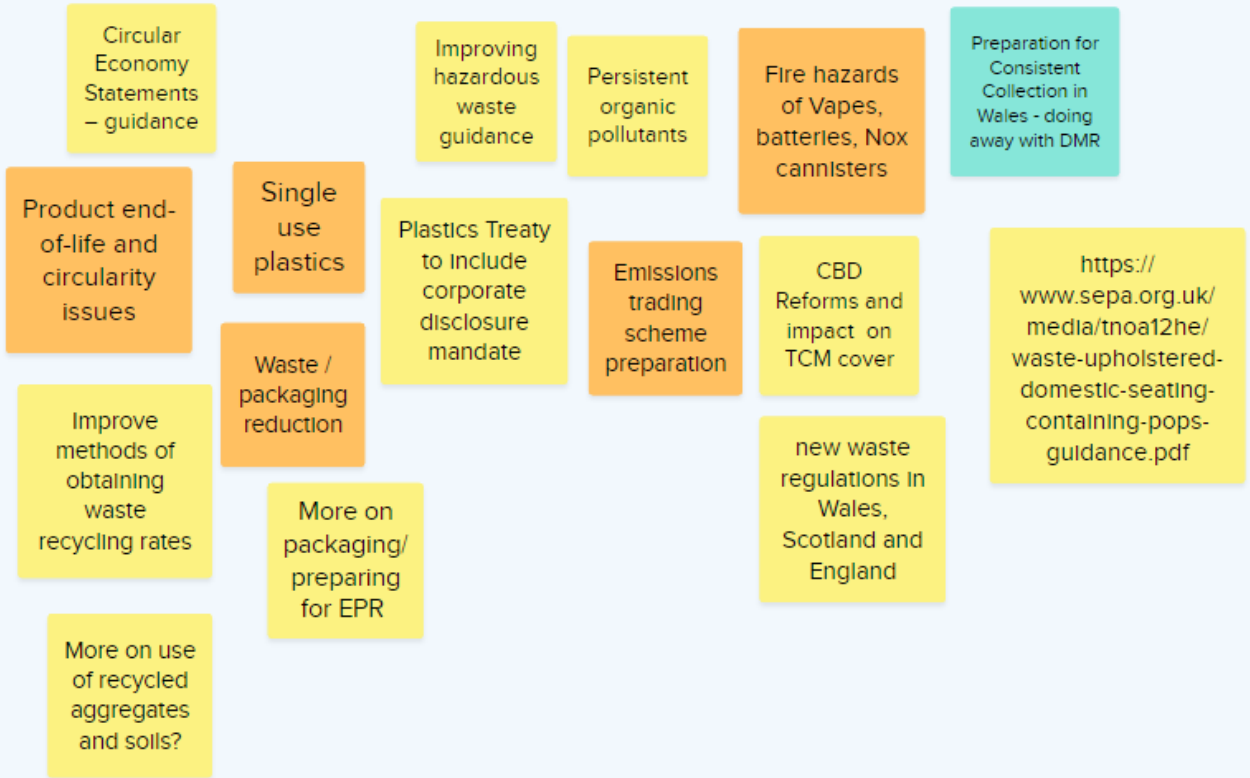
Must have: More
Should have: Continue
Could have: If there is budget available
Wont have: Stop doing



QUESTION 3: Discuss the key sustainability challenges that we have as a sector.
Then choose 2 or 3 key challenges that the School can address through knowledge & collaboration.

GROUP 3 Spend 3 minutes brain storming and use the sticky notes to write down what you think are the key challenges. Then spend 5 discuss these ideas together. Use the rest of the time to decide and choose as a group which 2 or 3 are the key challenges that need to be addressed and move them into that section.

In the second breakout session Group 1 and 2 will peer review and add any further thoughts.



GROUP 1

QUESTION 4: What are the key activities that the School can undertake to tackle your identified challenges.

Pick your challenge(s) from question 3.
Populate the table with the challenge (s) as a sticky note.
Then discuss the solution to that challenge (spend 5 minutes on this).
Use the sticky notes to capture your answers for a solution (what the School can do to help solve that problem).

Challenge	**Solution** School - Knowledge & Collaboration
1. **Developing and using better KPIs**	Partners adding their KPIs via correspondence and in another session if needed Collaboration other industry groups - Future Homes Hub and CIWM Group. Others? Other School groups - collaboration Scape procurement framework Report and templates for supply chain How to guide for someone who is completing hte KPI template Talking heads video - how the partner/s set KPIs and ovcercame practical problems. What thye achieved asa result
2. **Digitising waste tracking**	Conference 20th February Wil latempt to secure experts from EA etc to set context. Waste businesses with digitised solutions, challenges, Opportunities Communications exercise with timeline
3. **Achieving zero avoidable waste by 2030** Definition for Zero Waste to Landfill so everyone is working off the same definition and understanding.	Achieving a common definition of Zero avoidable (define avoidable) waste to landfill Agree to generic target maybe? Quorum to agree. Milestones along the way. Track progress to date. Talk to CLC and Green Construction Board - Katherine Adams Video - what it means and what is being done.
4. **addressing all other relevant legislative and policy updates** For instance RPS211 in Scotland, Consistent Collection in Wales, etc	Timeline - what's expected in next Q, year "what's on the radar?" Expertise for context - eg Wood Recycling Association Ground level education - "what should I do?" Webinar with Streetworks UK?