

Date: Tuesday 13th February 2024

Attendees: Imogen Player (Action Sustainability); Sam Walker (Action Sustainability); Lynne Good (Action Sustainability); Gavin Allan (Robertson Group); Paul Allman (MJ Evans Construction); Mark Anderson (GAP Group); Mark Armson (Wacker Neuson); Michael Bandy (Kier); Ronak Bhana (National Highways); Peter Brown (CPA); Sarah Butcher (Welfare Hire); Andy Connor (Speedy Services); Niall Conroy (Wolffkran); Jackie Cuthbert (Sunbelt Rentals); Andrea Davidson (HS2); Kenneth Doran (Careys plc); Craig Downs (EKFB); Henry Duggan-Ralph (Speedy Services); Elizabeth Edgington (NG Bailey); Daniel Evans (Careys); Alison Fulford (National Grid); Martin Gregson (Skanska); James Kaesey (Boss Cabins); Mark Lawton (Skanska); Rob Lowe (Nationwide Platforms); Chris Matthews (Flannery); Aurelien Morel (Bouygues UK); Steve Postlethwaite (Costain); Ben Rowe (Volker Wessels); Sam Ryan Proudfoot (Lynch); Joshua Taylor (Selwood); Raj Terin (MCLH); Gary Todd (BAM); Ian Watt (Scottish Water); Margaux Wibin (HILTI).

Summary of Actions and Notes from the Plant Category Group Meeting

Plan	Plant Category Group – Introductions and outstanding actions					
No	Action/Notes	Owner				
1	Welcome and Introductions					
	Focus of Meeting: Innovation in Plant and Equipment					
2	Plant Group Updates					
	Updates were given on recent work completed within the Plant Group. This included:					
	The Plant Charter The Plant Charter outlines the minimum standards for plant machinery and equipment with the aim to reduce emissions from plant equipment and encourage innovation. Since our last					
	meeting, we've had 3 new organisations join, bringing the total to 17 signatories. Congratulation to our new signatories:					
	Speedy VERITECH MEJ					
	Please contact Imogen or Sam if you would like to sign up to the Plant Charter or discuss your application.					
	More information on how to apply can be found <u>here</u> .					



2 Plant Group Webinar

The registration page for the Fuels and Technologies in Plant and Equipment: The Journey is now live. You can register for the event here.

Details for the event including the speakers include:



Prospective Charter Signatories

Plant Learning Pathway

The new *Carbon and Air Quality within Plant and Equipment* Learning Pathway was also promoted. Please share this within your organisations and on your social media platforms where relevant (you can share our most recent LinkedIn post here). Currently we have 189 assigned to the pathway and 21 completions. The pathway was updated to now include the "Embedding Sustainable Procurement E-Learning Module" at the request of some partners who wanted more procurement-relevant learning within the pathway.

HVO Guidance Paper

The HVO guidance paper launch and virtual conference will take place on Tuesday 5th March from 10:00-12:00. You can register for the conference <u>here.</u>





Update on Minimum Standards

The first draft of the revised Minimum Standards V3 was shared, based on the discussions held with OEMs late 2023.

A discussion was had on the minimum standard updates (See **Appendix A**) with many different comments made on:

- The different categories used in the minimum standards and changing these.
- Adding in additional categories to broaden the relevance of the minimum standards.
- Removing some categories, including Tools.
- The different standards within each category and the relevance of this.

Specific feedback that was mentioned during the session:

- Add in a new category for accommodation (modular/cabins)
- Add in new category for pumps
- Look at the National Highways minimum standards to see how they compare/align
- Identify whether hybrid generators should also be a separate category
- Identify whether solar hybrid should also be split out
- Add green energy tariff as a requirement
- Identify whether battery storage units should be split out
- Discussion around removing tools entirely as a category, or alternatively giving them a
 lower weighting in the plant charter. Rationale for this is that they have a 3-5 year
 lifespan, it could be viewed as a broad category and greater impact could be had across
 the larger equipment. However, must remember that when so many tools are being
 used, we can't underplay the impact they can have.
- Consider changing the generator split from under and over 20kVA to under and over 60 kVA.
- Zero emission plant for MEWPs unrealistic so change this to be relevant to the size of the machine.
- Include another category that looks at the transportation of the equipment to site

Wider feedback on the minimum standards and the charter was also shared:

- Request to develop a graphic that demonstrates carbon savings through the plant charter – 'if we were to have done nothing, this is what it would've looked like', however must be considerate of where the plant charter is pushing industry forwards vs. where improving legislation would've already done this and therefore cannot assume that the plant charter has saved those emissions, as it would've happened anyway
- Consider including an aspect in the innovation section of the plant charter of the <u>social</u> impact of the end-of-life disposal
- Must better communicate the value organisations can get from the charter, namely: 1) how it benefits the organisation directly and 2) how it supports their clients and workwinning.

Follow-on discussions will be organised with those partners who offered additional feedback and insights.

Individual partners who will discuss will be contacted by Sam to arrange a discussion

All partners

invited to share comment and feedback on V3 Minimum Standards by Friday 1st March.



All partners are invited to share their comment and feedback by Friday 1st March. After which, the changes will be made and V3 will be published.

Updates to the Plant Charter

A discussion was had on how the Plant Charter could be taken to the next level. Thoughts from the discussion were capture via a Jamboard; the results of which can be seen in the Appendix B below. The School will now draft a V2 charter, and share with the group for comment.

Updates to the Plant Charter Overlay with the CLC Route Map

As part of the group's proposed outputs for this year, we would like to develop an overlay for the plant charter to the Construction Leadership Council's Zero Diesel Sites Route Map. This has been developed and is now being shared with the group.

All partners are invited to share comment and feedback by Friday 1st March.

All partners invited to share comment and feedback on Plant Charter overlay by Friday 1st March.

3 **Update: Business Planning**

During our last meeting, the group brainstormed ideas for what the group would like to achieve in FY 24/25. Since that meeting, the School have identified which of those ideas are high impact, most meaningful and also opportunities for quick wins.

An update was provided, as seen in the following screenshot.

Thank you for your contributions and thoughts from our last Business Planning session.

- o Easier to digest school resources; short videos and 1 page summary documents.
- o Better collaboration between the clients, contractors and plant rental companies
- o Guidance and knowledge on alternative fuels and greener equipment; HVO, hydrogen, electric batteries.
- o Better knowledge of minimum standards amongst the supply chain.
- o Guidance on how to develop and deliver net zero strategies
- o Guidance on how to collect and use telematic data
- o Case studies/resources/webinars/f2f events on innovative new technologies, fuels, plant and equipment.

- o Partner newsletter with focus on plant and equipment.
- o Share updates on HVO report.
- o Webinar: Fuels and Technologies in Plant and Equipment: The Journey.
- o Wider collaborative webinars with the HVO and carbon groups.
- o Promote existing resources on net zero strategies and other topics.

3) Where we can collaborate with other group

- o On webinars, with the Carbon, HVO, Technology groups.
- o On a report exploring the feasibility of Hydrogen as an alternative fuel (see AOB).

- What we suggest we spend our budget on....
 o Developing a *NEW* e-learning focused on sustainable site setup.
 - o Charter signatory reviews, marketing campaign.

Based on the discussions, the Plant Groups focus for 2024 was outlined:

Partners



Focus 2024

To educate more people in the industry about reducing air quality and greenhouse gas emissions from plant and equipment

1. Upskill the industry on air quality and carbon in plant and equipment

- · Promote the content we have developed through a dedicated Plant marketing campaign and through Partner News.
- Support the School's HVO group and Climate Action Group and share findings related to alternative fuels (facts, benefits, risks, certifications etc): hydrogen, grid connection, hybrid, solar, electric, HVO
- · Deliver webinars throughout the year on air quality and carbon emissions related to plant and equipment.

2. Developing new learning content

- Develop a new e-learning focused on 'Sustainable Site Setup' to cover best practice for low carbon and air quality for plant and
 equipment, along with wider aspects such as wellbeing.
- · Researching, collating and analysing data from innovative plant trails and telematic data and developing a summary report.

3. Progress and Measurement

 Review evidence and award signatory status to the Plant Charter to 12 NEW signatories (aim) (30 in total by end of year, as all signatories have to re-apply annually)

4. Industry Engagement

Engage with and attend partner events where relevant, to promote the Plant Group and the Charter.

The group agreed that they are happy to progress with this business plan for FY24/25. A key focus for the group for the next FY will be developing a new e-learning focused on sustainable site setup. Partners within the group will be invited to engage and provide content for the e-learning when it is in development. There was an initial suggestion to split the e-learning into job-specific sections e.g. for procurement, operations etc.

Focus of the Session: Innovation

The focus of the session was on Innovation within Plant and Equipment, and the Plant industry in general. As a result, the group was broken into smaller breakout rooms to discuss:

- 1. What does 'innovation' mean to the plant group?
- 2. What are the challenges when it comes to innovation in our sector?
- 3. What innovation good practice exists in our sector?
- 4. What could we as a group/ as the school be doing to push innovation forward?

The results from each of the groups can be seen in the **Appendix C.**

7 Announcements

DESNZ NRMM Decarbonisation

We would recommend that Partners submit their views for the call for evidence to <u>DESNZ</u> <u>NRMM Decarbonisation</u> to CPA, CEA or CLC for joint submission. However during the discussion there was considerable request from many group members that the School's plant group submit evidence. The School will investigate the feasibility of this and report back to the group. The deadline is Tuesday 26th March 2024.

Infrastructure Group

The infrastructure Group have identified a desire for an in-depth study into the market for hydrogen as a low-carbon fuel, similar to the HVO group. In their upcoming meeting (on the



	27th Feb, at 10am) a cohort of speakers will discuss this in more detail. If anyone would like to join to discuss their experience/ ambition, please let Jenny@supplychainschool.co.uk know.
8	Next Meetings
	Next meeting will take place on Tuesday 11th June 2am-4pm
	Dates for next year include:
	Tuesday 10th September 10am-12pm
	Tuesday 10th December 10am-12pm



<u>Appendix</u>

Appendix A - Minimum Standards V2 – suggested updates

Plant Category	Examples	Min' Standards from 01.11.2021 for Contractors hiring plant in for use	Min' Standards from 01.11.2021 for Plant Hire Companies buying new equipment in to then hire out	Market Potential for next 5 years	
Tools	Saws, whacker plates,	Cord/flex or battery	Cordless/battery	Cordless/battery	
Lighting Towers	All LED lumieres	<75% Stage V hybrid	<50% Stage V hybrid	<20% Stage V hybrid	
lowers	,00000	≥25% battery & PV	≥50% battery & PV	≥80% battery & PV	
Small Plant <5t	Mini excavators, micro dumpers, mini skip loaders	Stage IIIB	Stage V Company purchasing profile will assess the availability and client uptake of low and zero emissions plant	Stage V Increasing levels of zero emission, including but not limited t full electric, battery driven and hydrogen	
Medium	ADTs, Excavators, wheeled loaders,	Stage IV (rest of UK)	Stage V	Stage V	
Plant 8t – 13t	dumpers, cranes, bulldozers, telehandlers	Stage V (London)	Company purchasing profile will assess the availability and client uptake of low and zero emissions plant such as electric and hybrid	Increasing levels of zero emission, including but not limited to full electric, battery driven and hydrogen	
	telelialitiels			Increasing levels of hybrid plant Stage V	
Large Plant >13t	ADTs, Excavators, Wheeled Loaders, dumpers, cranes, bulldozers, telehandlers	Stage IV (rest of UK) Stage V (London)	Stage V Company purchasing profile will assess the availability and client uptake of low and zero emissions plant	Increasing levels of zero emission, including but not limited t full electric, battery driven and hydrogen Increasing levels of hybrid plant	
				<10 years autonomous	
		Stage IIIA (rest of UK)	Stage V + battery (hybrid)	Stage V + battery (hybrid)	
Generators <20kVA	Mobile and stationary	Stage V (London)	Company purchasing profile will assess the availability and client uptake of low and zero emissions plant	Increasing levels of renewable power, plus power manageme and greater use if EC ratings	
			Welfare: Design EPC rating C for a fixed location, or better, with sensors/timers	>10 years - Hydrogen	
		Stage IIIA (rest of UK)	Stage V + battery (hybrid)	Stage V + battery (hybrid)	
Generators >20kVA	Mobile and stationary	Stage V (London)	Company purchasing profile will assess the availability and client uptake of low and zero emissions plant	Increasing levels of renewable power, plus power management	
			Welfare: Design EPC rating C or better, with sensors/timers	>10 years – Hydrogen	
Access	MEWPs and van-	MEWPs used outdoors: Stage IIIB or hybrid; MEWPs used indoors: electric, bi-energy (range extender), or hybrid	MEWPs: electric, bi-energy (range extender), or hybrid. If hybrid or electric unavailable at larger end, engine to be Stage V	MEWPs: Zero emission plant	
Access	Access	mounted access	Vehicle-mounted: Euro 5-compliant engine	Vehicle-mounted: Euro 6 engine; Company purchasing profile will assess the availability and client uptake of low and zero emissions plant	Vehicle-mounted: hybrid engine + increasing battery/ electric availability
In-Use		Eco-operator training	Eco-operator training	Data and telematic training	



Appendix B - Suggested Updates to the Plant Charter











