

Date: Tuesday 6th December 2022

Attendees: James Cadman (Action Sustainability), Imogen Player (Action Sustainability), Alice Dear (McLaren Group), Andrea Davidson (HS2), Alistair Donaghe (Willmott Dixon), Catherine Blackburn (Select Plant Hire), Stephen Bradby (Select Plant Hire), Craig Downs (EKFB), Ellie Brown (Hydrock), Gary Davidge (Hercules), Geraint Rowland (Costain), Gez Bonner (Lynch), Ian Watt (Scottish Water), James Everson (Octavius), John Leader (IDE Systems), Lola Panier (GAP Group), Louise Kelly (Nationwide Platforms), Luca Mee (HW Martin Traffic Management), Kim Watson (M O'Brien), Richard Mason (Balfour Beatty), Niall Conroy (Wolfkrann), Nikolaos Sapounas (Octavius), Paul Lynch (Lynch), Ronak Bhana (National Highways), Veronica Brophy (Welfare Hire Nationwide), Daniel Greenhalgh (CHC), Mark Keily (Sunbelt Rentals), Andrew Wood (Selwood).

Summary of Actions and Notes from the Plant Category Group Meeting

Plant Category Group – Introductions and outstanding actions		
No	Action/Notes	Owner
1	Welcome and Introductions	
2	<p>Updates</p> <p>The Minimum Standards & Charter</p> <p>All the documents for the Charter are available here, including the Minimum Standards and the instructions on how to apply. The process for signing up to against the Charter was explained, with the full detailed information available in the Minimum Standards V2.1.</p> <p>We now have 14 Signatories, and the School continues to review all evidence information passed over by those organisations who wish to be signatories. Some organisations have already received confirmation of their charter status.</p> <p>In order to become a signatory, the process is:</p> <ol style="list-style-type: none"> 1. Decide you would like to be a Signatory to the Charter. 2. Gather evidence against the 4 sections of the Charter for your organisation for the preceding 12 months: i) Engine standards ii) Engagement iii) Training and education 4) Innovation. You need something in each of the 4 sections to reach at least Bronze; you can't be a signatory to the Charter is Bronze is not achieved. 3. Present evidence to the School for assessment. The School will ask for any additional information or clarifications. 4. Status awarded and communicated to the Signatory. External communications are discussed with Signatory. 5. On the anniversary of becoming a Signatory, Partner will provide updated information for preceding 12 months. <p>As all partners collect information in different ways, evidence can be in any form – e.g., spreadsheets, PowerPoints, news publications, engagements, trial days.</p>	

<p>3</p>	<p>Update: eco-operator training</p> <p>One of the key things that the Plant Group wanted to put its weight behind was eco-operator training, and, that a sector wide standard was developed for consistency. The necessary experience and expertise sits outside the Supply Chain Sustainability School team – our role is to support.</p> <p>Organisations including Flannery, L Lynch, M O’Brien, and the CPA have been collaborating to develop such an eco-operator course, the target audience being operators and managers. The course covers a variety of content, including servicing and maintenance and discusses sustainability and carbon reductions in all aspects of the content. It’s a ½ day (3 hour) course, covering a mixture of classroom and practical walk and talk around the machinery on site. This course is part of a wider framework of developing different routes for learning and levels for varying job roles.</p> <p>As the framework is in development there is a request for volunteers to join a sub-working group to help bring it to fruition. Interested volunteers were asked to confirm their preferred availability to join an inception meeting. Thursday 12th January at 10:00am was decided.</p> <p>Those who’ve kindly volunteered include:</p> <p>Dene Pettinger Likhit Mandava Niall Conroy Ian McMillan Paul Taylor.</p> <p>For those listed and to anyone else who would like to join the meeting, please forward your email address to peter@cpa.uk.net so that he can return the Zoom link to the meeting and the draft framework</p> <p>For more information or for any questions please contact either Peter Brown at peter@cpa.uk.net or Aaron Davis at a.davis@flanneryplant.co.uk</p>	<p>Let Peter know if you’d like to join</p>
<p>4</p>	<p>Update: Cost and carbon calculator</p> <p>All feedback has now been received on the Cost and Carbon Calculator and will be discussed and incorporated. If there are any additional comments or feedback on the ease of use, or technical content of the calculator, please share with Imogen@actionsustainability.com.</p> <p>The calculator will now be updated with feedback with a view to uploading it onto the School’s resource library and sharing as a resource.</p>	<p>Let Imogen know if you have any additional feedback</p>

Summary of what we've achieved in 2022

The group reflected and discussed what they've achieved in 2022, in accordance with the business plan:

- The engagement and discussions around the Charter and minimum standards has really increased over the last year, demonstrated by the 14 signatories we now have.
- HS2 [anti-idling video](#) and supporting [toolkit](#) created and launched
- Updated two e-learning modules in the School: air quality for plant and equipment; sourcing sustainable plant for your construction projects
- Supported the eco-operator training development
- Developed the cost and carbon calculator
- Supported Lynch's roadmap development
- Spoke at events including: FutureWorx; Caterpillar EAME meeting; Nationwide Working at Height; IPAF Europlatform; FASET AGM; Various partner sessions including Bouygues E&S.

2023 Business Planning

The group broke out into smaller breakout groups to discuss business planning for 2023, and to decide what the group should focus on. The full outputs of the Google Jamboard are provided in the appendix, however some of the main ideas are:

- Standardisation of results and capturing data from innovative plant trials.
- Calculator to estimate power required for site – to stop oversizing power generation and to open up opportunities to use other power generation.
- Understanding and exploring connections to the grid as best practice. The School has started discussions with the Infrastructure group on this – could be done jointly.
- Evidence around alternative fuels – what are the facts, the risks, certifications etc. The School has started discussions with the construction group on this – could be done jointly.
- Take the cost and carbon calculator to the next level by developing it on an online platform.
- Procurement toolkit for procurement and sites – links with the work that CPA are doing for the eco-operator training.
- Using a common language, links in with getting more recognition for the Plant Charter – i.e. a roadshow, getting professional bodies engaged.
- OEMs – more involvement or workshops, what their plans are for the next 3-5 years. Struggle that some OEMs don't have roadmaps. It would be helpful to have regular check ins with OEMs e.g. once every 6 months. Need a group of partners to have those conversations too. The aim for this is to understand the industry's roadmap.
- Diesel free sites - sharing information and sharing case studies etc.
- Benefits around good behaviour – both from an organisational perspective but also on a personal level.
- Potential for members of the group to go away, address an issue and work collaboratively and then come back and present to the rest of the group.

Please complete this Microsoft Form link to indicate your preference for business planning.

5	AOB -Construction Leadership Council (Zero diesel sites route map) https://www.constructionleadershipcouncil.co.uk/news/industry-views-sought-on-plan-to-cut-diesel-from-sites/ - consultation deadline has closed but can still enter comments - Currently, work is being done to update the Low Emission Zone (LEZ) map which shows all Clean Air Zones (CAZ) and LEZs around the UK – this is areas where vehicle restrictions exist to improve air quality in an area. The map provides information on the restrictions that exist for certain vehicle types, the fines that are required to be paid if entering an area and the boundaries of the zone. Since the COVID-19 pandemic some cities have now introduced LEZ/CAZs or have planned out ambitions to implement these – recently the mayor of London announced plans to expand the Ultra-Low Emission Zone to the whole of London (https://www.bbc.co.uk/news/uk-england-london-63754724) for example. The map will capture this and can be used as a reference to work out whether restrictions are in place, in areas where you may work.	
6	Next Meetings Meeting dates for 2023: <ul style="list-style-type: none">• Tuesday 21st March• Tuesday 20th June• Tuesday 12th September• Tuesday 12th December	

Appendix

Outputs from the Google Jamboard breakout discussion on 2023 business planning:

Group 1

What would you like to see the group do/develop over the next year and why is it important/useful to do?

Capture data from innovative plant trials set out minimum data requirements (LPG, H, renewables etc). Learning from trial-training required, limitations etc.

Connections to grid. Facilitate discussions with clients, DNO, contractors to develop best practice/ change in process. Contractors could collate data to demo issue.

General SCSS: Training on completing environmental permits correctly

Power profiler- Tool/ data/ info to assist site estimated power requirements to ensure generator is properly sized or other techs are considered.

Alt fuels- (e.g. HVO) Facts - benefits/ risks, certification.

What resources/inputs will the tasks need?

Coordination, data from contractors-standard reporting template etc

Research to understand issues/ barriers/ work undertaken to date. Collaborate with clients/ DNO/ contractors to understand solutions/ improvements.

Simple calculator where you can input data for your proposed set-up and plant and it will provide power requirements. Data from cabins/ equipment etc

Research to clearly understand the benefits and risks of alt fuels. What are strengths and weaknesses of certifications.

Who are the key stakeholders to support?

Contractors, manufactures, hire co's

DNO, contractors, major clients- NHs, HS2, NR, Water Companies etc

Could we involve the power companies down the line - discuss how spec'ing more sustainable options may influence connection speed/cost etc?

Academic researcher (phD), fuel suppliers, certification bodies etc

How would you like to deliver this?

Data-downloadable from website

Group 2

What would you like to see the group do/develop over the next year and why is it important/useful to do?

Goal: need people to understand whole-life value (or whole hire value/total running cost/benefit). Sustainability not JUST cost

Calculator next level - directly linked to organisations' websites, with detail taken from their website. Benchmarking is key so all the data and information is same

resource development: whole life procurement in plant (e.g. common sense around distance travelled for parts and replacement and associated carbon)

useability of calculator - needs to be easily accessible by procurement/ site managers/ relevant on site people

resource dev: supervisor and manager perspective how to encourage better sustainability behaviour - e.g. nudge theory, other techniques (manu/on site)

Reducing energy use through behaviour e.g. toolkit for supervisors

benefit of telematic data. Help sites to understand how this can benefit - also retrospective learning - does the data show it was the right piece of plant, used in the right way

What resources/inputs will the tasks need?

calculator - online platform

e-learning & toolkit development

Who are the key stakeholders to support?

supply chain e.g. working with them to rollout toolkits

support from people in group/from those organisations that will provide data for the calculator

getting data from organisations to inform

Government support - for procurement toolkit buy-in?

How would you like to deliver this?

e-learning (don't want death by e-learning though!)

toolkit (and video)

Group 3

What would you like to see the group do/develop over the next year and why is it important/useful to do?

- Updated knowledge base of what is available (different trades)
- Consolidated format in requesting information (template) - e.g. client to plant hire companies / how transported to sites
- Tailored onsite training for those working in the field (eco driver training / telematics)
- Insights into OEM levels
- Common language used across industry (e.g. fuels / distance travelled) avoid misunderstanding in interpreting information
- Understanding Fuels - what is used / can be used / reliability / emission understanding (challenges at getting mains power connections)
- Consolidated case studies across the UK (not just in London)
- Consistency approach on how to calculate Scope 3 emissions - template for industry use
- Getting the plant charter more recognised across the industry

What resources/inputs will the tasks need?

- Consolidate information across industry on what is available on the market
- Setting out a process to get the right information from providers and users
- OEM transparency / review of what the plan is in the next 4-5 years (allow for planning) - potential white paper on how this could be achieved
- Central system for access to case studies (proven) - trade areas in different areas of the country
- Roadshow on the plant charter / Construction Equipment Association on board / Plantworx

Who are the key stakeholders to support?

- OEMs
- Supply Chain Hire Companies & wider supply chain
- Procurement teams / Commercial
- Clients / Government / Local Authorities
- CCS / CLC / ICE (and other professional bodies)

How would you like to deliver this?

- Workshops - to consolidate views across supply chain levels and agree an approach
- On-site training (in addition to e-learning)
- e-training for different groups - e.g. carbon for procurement managers / tools for plant managers, etc.
- Practicality of alternatives to diesel - understood across supply chain

Group 4

What would you like to see the group do/develop over the next year and why is it important/useful to do?

- Move to Hydrogen Plant
- Reducing Fossil Fuels
- Hybrid and Hydrogen generators
- Roadmap to Remote controlled plant operations
- Engage machine (plant) manufacturers and their distributors, some of whom in my experience have not been very knowledgeable on the green issues of the products they sell
- Hybrid and Solar Power Lights
- What collaboration can we do jointly?
- Development of electric plant
- Trialling pedestrian detection systems on sites

What resources/inputs will the tasks need?

- What enablers need to be put into place today for the future
- Behaviours for net zero
- More education / training from procurement to behaviours
- Support from client
- Right tools for the right job.
- Stricter legislation / regulation to force companies to change. All the time it is optional it is not meaning wholesale changes in behaviour
- working in conjunction with the energy savings trust

Who are the key stakeholders to support?

- Plant Hire Companies
- plant hire companies/ manufacturers of systems
- procurement teams / plant hirers

How would you like to deliver this?