

Date: Monday 6th November 2017 – 09:00 – 12:00

Attendees: Graham Edgell (Morgan Sindall); Shaun McCarthy (Action Sustainability); Helen Carter (Action Sustainability); Geriant Rowland (Costain); Brain Handcock (Sisk); Paul Whitehead (Highways England); Alan Webb (Morgan Sindall); Adam Boulter (Aggregate Industries); Phil Wright (WP Group); Eleanor Stewart (Skanska) Tom Brenchley (Lundy Projects); Helen Bloxham (Kier); Joe Oldham (Balfour Beatty); Nikolaos Sapounas (Osbornes); Steve Davies (The Clancy Group); Nick Clarke (Tad Comms); Peter Austin (CRH Plant); Jonathan Willmore (Kier) Richard Arnold (Gap Group)

Apologies: Daniel Marsh (Kings College); Magnus Bent (Bent Plant Hire); Andy Tallentire (A Plant); Matt Seaman (Speedy Services); Matthew Goddard (Balfour Beatty)

Summary of meeting actions:

Terms of reference			
No	Action	Responsible	Deadline
1	Update the terms of reference and circulate to the group for comment and feedback	Helen Carter	30 th November 2017
2	Circulate to the group for consideration	Helen Carter	1 st December 2017
3	Group to feedback recommendations	All	11 th December 2017
4	Agree terms of reference at the next plant meeting	All	12 th January 2018
Scope and Definition			
5	Create an overall definition for plant to be used by the group and included within the terms of reference	Helen Carter	30 th November 2017
6	Send round the finalised high-level plant definitions for review and agreement	Helen Carter	30 th November 2017
7	Update the google docs spreadsheet with details of the sub categories contained within trade groups	All	15 th December 2017
Stakeholder Mapping			
8	Liaise with the group members to ensure that they can introduce their contacts and encourage them to attend the meeting in January	Helen Carter	30 th November 2017
Show and tell			
9	All group members to provide the school with case studies, evidence of best practice etc to uploaded on to the school site	All	15 th December 2017

10	Web page to be set up where best practice can be shared	Helen Carter	9 th January 2019
AOB			
11	Calendar place holders to be sent out to all the group members and updated when venues confirmed	Helen Carter	30 th November 2017
12	Volunteers are required for future meetings – please contact helen@actionsustainability.com if you can host a future meeting	All	End of 2017

1. Introductions and Welcomes

- There were group introductions and apologies. Graham Edgell set the vision and the reason for the groups existence.

2. Project Overview

Shaun McCarthy gave an overview of the project and what it is trying to achieve. Key issues were:

- This is about understanding the current and future landscape of the plant category and how the school can influence future procurement decisions to get the best outcome for the sector
- The project will go on for as long as necessary and as long as budget allow to ensure that the outputs are developed, promoted and embedded.
- It is not a Special Interest Group
- The scope of what is called plant and what the group would like to achieve is defined by the group and its ambitions
- Once scope is clearly defined the school will go back and look at what is possible now and what we will need to do to achieve the other requirements

3. Terms of Reference

Helen Carter led the element of the agenda to agree the terms of reference. There was a wide discussion and it was agreed that the terms of reference were not ambitious enough and the objectives were not objectives.

The objectives of the group now need to reflect the following requirements:

- ✓ Develop and embed minimum standards for plant hire and purchase within the construction industry
- ✓ Provide a landscape and potential solutions in relation to supply and demand of plant – particularly in relation to some of the large infrastructure projects currently underway
- ✓ Supply Chain school to be the point of reference for information relating to plant category requirements. This could be standard requirements, market information, stakeholder signposts or generally information that will help clients, contractors and supply chain deliver the most sustainable plant option going forward.

It was agreed that these objectives will be revisited periodically to ensure as the maturity of the group increases they reflect the ambition and requirements of the group and industry

The outcomes will also need to be updated to reflect the new objectives.

The group is looking to be collaborative in nature and would like to make sure that other key stakeholders are involved such as clients, manufacturers, suppliers and academia

It was agreed that part of the groups remit was also to understand the impact of issues such as:

- Innovation
- Interaction with the people element of the group
- Whole life issues – so as well as supply and demand but the consideration of disposal as well
- The role data has in the effective management of plant, people and processes (e.g. telematics)
- Barriers to successful implementation of any plant initiatives
- Health, Safety & Wellbeing

Actions:

- ✓ Update the terms of reference and circulate to the group for comment and feedback
- ✓ Circulate to the group for consideration and feedback in time for the next meeting
- ✓ Agree the new terms of reference at the next meeting

4. Scope and Definition of the groups

The group discussed was included in the definition of plant and therefore within the jurisdiction of the group. The following terminology was discussed and should be considered within the overall definition of plant:

- Construction plant
- Used in the maintenance of an asset
- Something that consumes power and energy
- The technologies used to power the plant
- Anything that has a mechanical function
- Is hired to perform a construction activity and requires an operator

It was suggested that TFL had put together some guidelines on this and it would be good to get a copy for the group as well as inviting TFL to join the group long term.

High level categories agreed at the meeting included:

- Generators/on site power solutions
- Fleet
- Lighting
- Welfare accommodation
- Operated plant
- On track rail plant
- Logistics
- Extraction plant

Actions:

- ✓ Create an overall definition for plant to be used by the group and included within the terms of reference
- ✓ Send round the finalised high-level plant definitions for review and agreement
- ✓ Update the google docs spreadsheet with details of the sub categories contained within trade groups

5. Show and tell

As part of the group discussion individuals shared what they are currently doing within this area and initiatives already underway – these include:

WP Group:

- ✓ Heathrow are moving to electric vehicles – currently there are 2-3 electric vehicles out of a fleet of 8
- ✓ There is also an initiative underway to review and trial cleaner fuel options within vehicles
- ✓ A focus is on operational efficiency

Costain:

- ✓ A footprint and heat map activity has been undertaken which has led to the creation of a new procedures
- ✓ This includes an energy hierarchy and grid list
- ✓ Case studies from Costain include – LED lighting and Hybrid Generators
- ✓ Review of telematics and the data it can provide – how can this influence operator training
- ✓ There has been procurement team engagement and there is now a plant and equipment strategy for plant

Sisk:

- ✓ Currently implementing the requirements of ISO 50001
- ✓ Focusing on energy
- ✓ Targeting a 3% reduction in energy
- ✓ Current priority is generators
- ✓ Reviewing fleet and considering setting a CO2 threshold for fleet
- ✓ Challenges including forecasting energy consumption on site
- ✓ Employing a full-time energy manager
- ✓ Energy issues are included in procurement but currently it is a tick box exercise

CRH Plant:

- ✓ Moving plant to electric

Morgan Sindall:

- ✓ Developing plant standards
- ✓ Focusing on driver behaviours
- ✓ Trialling an Eco Excavator
- ✓ Developing an approach to encourage women, youngsters, minorities to consider plant operating etc as a career
- ✓ Working with TS Cathpolt to understand the future of transport
- ✓ Engaging manufacturers such as Volvo construction

- ✓ Looking at data and measurement

Highways England:

- ✓ Has set up a working group to focus on the following areas within the plant category:
 - Specifications
 - Raising the bar
 - Areas of selection
 - Utilisation
 - Data
 - Innovation
 - People
 - Safety

Aggregate Industries:

- ✓ Ensuring they are using the right plant for the right job
- ✓ Developing a national vision
- ✓ Focusing on driving behaviour
- ✓ Currently looking at hauliers

Lundy Projects:

- ✓ Has a carbon resource plan and is focusing on plant and on site
- ✓ Have also included water usage in this area
- ✓ An area of focus is driver behaviour
- ✓ Also looking at fuels and lubricants

Kier:

- ✓ Priorities – generators, heavy plant and fuels
- ✓ Looking at people and the impact on plant
- ✓ Interested in what the supply chain can offer
- ✓ Have solar panels on eco cabins

GAP Group:

- ✓ Have employed an innovations manager
- ✓ Looking at fuels and technology
- ✓ Interested in innovations that can combat noise and dust pollution
- ✓ Have been trialling and investigating battery powered small tools to help reduce noise and issues such as hand vibration
- ✓ Challenging the functionality of tools – e.g. concrete breaker and ensuring that the utilisation of tools is optimised
- ✓ Want to understand how to break down the barriers to market

Clancy Group:

- ✓ Looking at health & safety
- ✓ Also looking at small tools
- ✓ Investigating the possibility of fuel cell technology
- ✓ Also focusing on safety and efficiency

- ✓ Interested in utilisation

Tad Communications:

- ✓ Has established a plant governance system
- ✓ Looking at health & safety
- ✓ Reviewing how machinery is being used
- ✓ Including transport
- ✓ Interested in utilisation
- ✓ Developing systems that will allow a JIT system (or as close as possible) to be used for plant provision – this will maximise utilisation
- ✓ Working with manufacturer to develop intelligent sat nav solutions
- ✓ Undertaking operator analysis – using tools such as the internet of things
- ✓ Also focusing on safety and efficiency

Skanska:

- ✓ Have a CO2 policy in relation to company cars
- ✓ Looking to develop minimum standards for plant
- ✓ Has undertaken some industry research in terms of plant
- ✓ Working with Low City and Low Carbon Vehicle Partnership
- ✓ Looking at logistics with organisations outside the construction industry including Amazon, Marks & Spencer etc
- ✓ Understanding what is out there and what standards currently exist
- ✓ Would like a quick win in terms of sharing knowledge and build on that

Osbornes:

- ✓ Current priorities – generators and fuel
- ✓ Using BS11000 to focus innovation with Speedy
- ✓ Currently trialling the use of solar powered lights on site
- ✓ Subbies will be expected to adopt minimum standards on site

Balfour Beatty:

- ✓ Currently tendering/awarding an £80 - £100million contract for plant
- ✓ Developing minimum standards for companies to adopt including issues such as energy management and reduction
- ✓ Looking at plant specifications
- ✓ Including health and safety

Action:

- ✓ All group members to provide the school with case studies, evidence of best practice etc to uploaded on to the school site
- ✓ Web page to be set up where best practice can be shared

6. Stakeholder mapping:

The group agreed several additional stakeholders that should be invited to this working group to ensure the best outcome:

- MPA
- CPA

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- Low City
- Low Carbon Vehicle Partnership
- TFL
- Heathrow
- HS2
- Network Rail
- Volvo Construction
- Kings College
- TS Cathpolt

Actions:

- ✓ Liaise with the group members to ensure that they can introduce their contacts and encourage them to attend the meeting in January

7. AOB

The next steering group meeting will take place on the 10th January 2017 – 10:30 – 1:30 pm

Future dates are:

- 28th February 2018 – 10:30 – 1.30
- 22nd March 2018 – 10.30 – 1.30

Action:

- ✓ Placeholder invites to be sent out to group members and will be updated with venues when they are agreed
- ✓ Volunteers are required for future meetings – please contact helen@actionsustainability.com if you can host a future meeting