

Welcome

Agenda: Transport Forum – Thursday 14th November 2024

1. Welcome and introductions
2. Meeting note / matters arising from last Forum held on: 11th July 2024 - (Chair)
3. Project Progress Update - (Andrew Cockcroft, EDF)
4. Transport Review Group Quarterly Report- (Rachel Lister, EDF)
5. Passenger Transport Update - (Andy Wagstaff, EDF)
6. Review of Abnormal Indivisible Loads (AILs) in 2024 - (Jamie Jamieson, EDF)
7. Any Other Business - (Chair)
8. Date of next meeting: **Thursday 13th March 2025** at 6pm

Item 3: Hinkley Point C Construction Update

Andrew Cockcroft

Head of Stakeholder Relations and Social Impact

Turbine Hall



- Excellent progress being made to the external cladding of the turbine hall – an essential step before components are installed.
- Both the 20 and 40 tonne cranes have been energised, ready for use in the component installation phase.

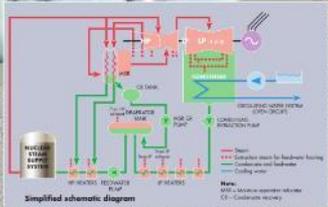
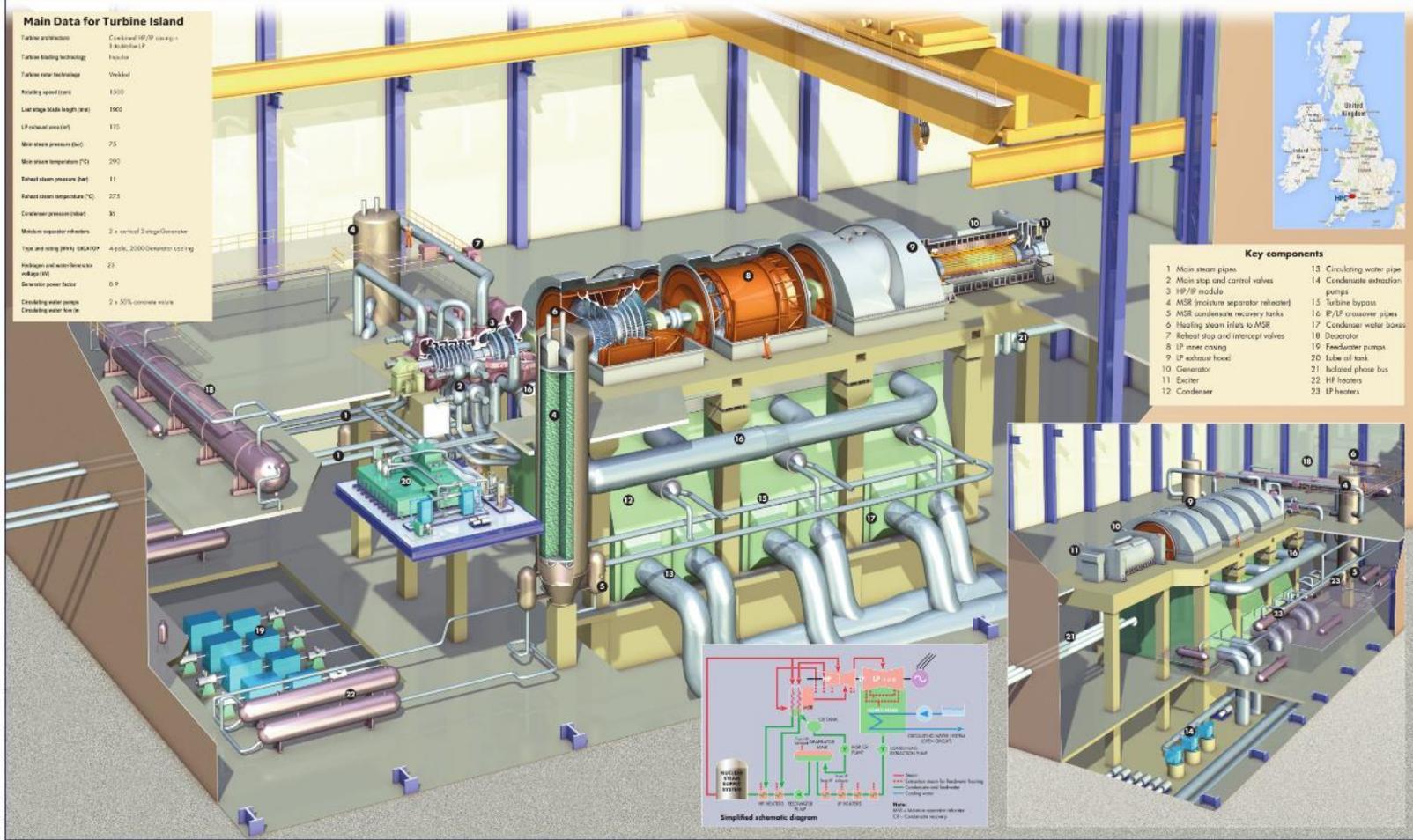
Main Data for Turbine Island

Turbine architecture	C Combined HP/IP casing + 3 turbofan LP
Turbine loading technology	Inp-ble
Turbine rotor technology	Welded
Rotating speed (rpm)	1500
Last stage blade length (cm)	1600
LP wheel area (m ²)	110
Main steam pressure (bar)	73
Main steam temperature (°C)	290
Reheat steam pressure (bar)	11
Reheat steam temperature (°C)	275
Condenser pressure (bar)	35
Medium separator exhausters	2 x vertical 2 stage Generator
Type and rating (MVA) DRD/OTOP	4-pole, 20000 generator cooling
Hydrogen and water/bleed air volume (m ³)	23
Generator power factor	0.9
Circulating water pumps	2 x 50% concrete volume

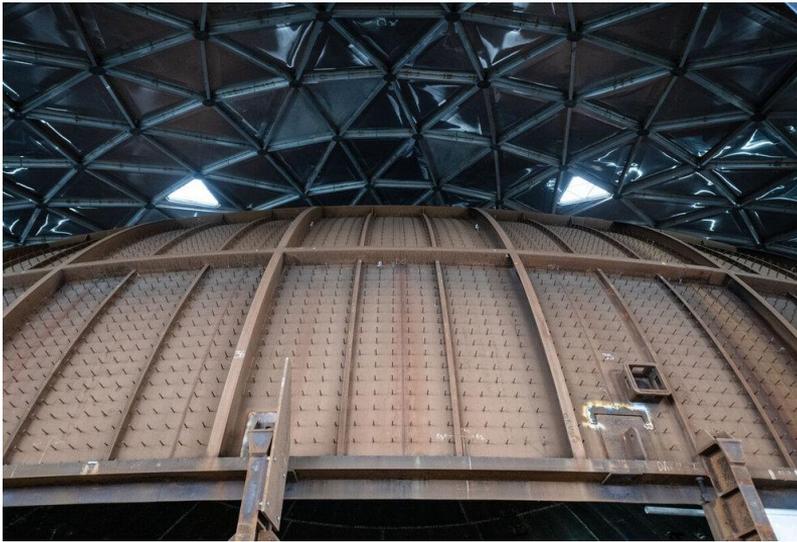


Key components

- | | |
|-------------------------------------|--------------------------------|
| 1 Main steam pipes | 13 Circulating water pipe |
| 2 Main stop and control valves | 14 Condensate extraction pumps |
| 3 HP/IP module | 15 Turbine bypass |
| 4 MSR (moisture separator reheater) | 16 IP/IP crossover pipes |
| 5 MSR condensate recovery tanks | 17 Condensate water boxes |
| 6 Floating steam inlets to MSR | 18 Excitator |
| 7 Reheat stop and isentropic valves | 19 Feedwater pumps |
| 8 IP inner casing | 20 Lube oil tank |
| 9 IP exhaust hood | 21 Isolated phase bus |
| 10 Generator | 22 HP heaters |
| 11 Exciter | 23 IP heaters |



Unit 2



- Recent work on Unit 2's Dome have been completed **2 weeks ahead of schedule.**
- **All 14 supports have now been fitted** quicker thanks to learnings from Unit 1.
- Unit 2's dome supports were fitted from within one of the pre-fabrication bunkers leading to **easier conditions for the welders to work more efficiently.**



Electrical Milestones



- **The Auxiliary Transformer** is now well on its way towards being ready to undergo full commissioning, following the **first supply of electricity** to one of the systems in the Electrical Building that will make it work.
- The system, known as 1LVL, was fitted by the MEH Alliance in September and was the first one to be handed over to the Commissioning Team.



- Hinkley Point C's **Generator Stator** is on its way and will be transferred to site towards the end of the month.
- **The stator is responsible for converting the rotating magnetic field to electric current** and therefore one of the most important components of the power station.

Stator frame casing



Rotor

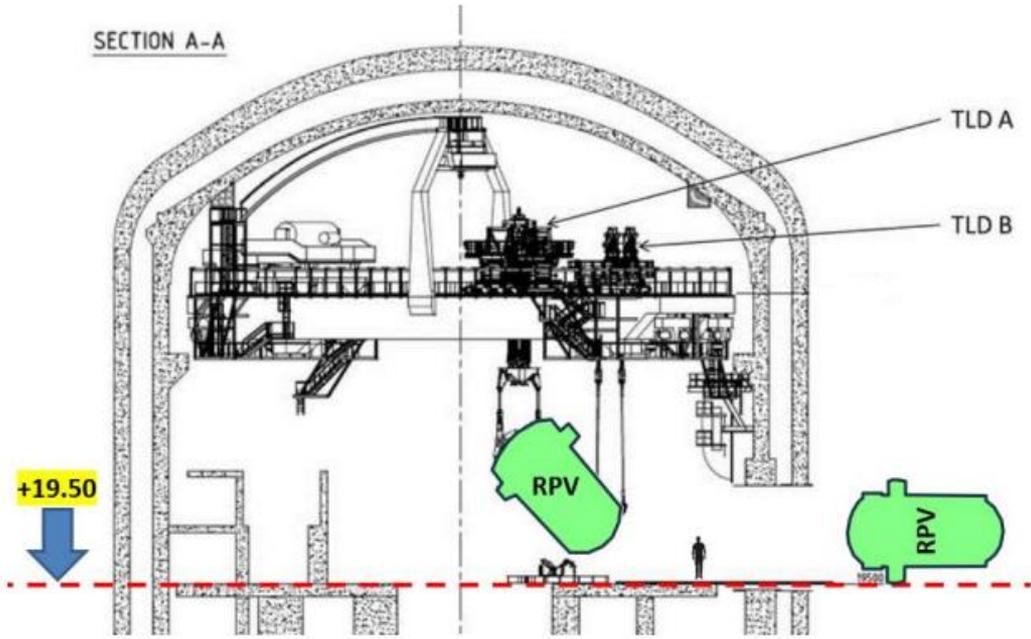


Preparations for Reactor Core Installation



- At the end of August, the final set of columns for the Hatch Transfer System (HTS) were installed, completing the six columns needed for the system and bridge installation located on the Fuel Building.
- Construction has also commenced on the Outside Lifting System (OLS) with the base plates and counterweights already installed and the 40-metre-tall column in progress.

Preparations for RPV installation

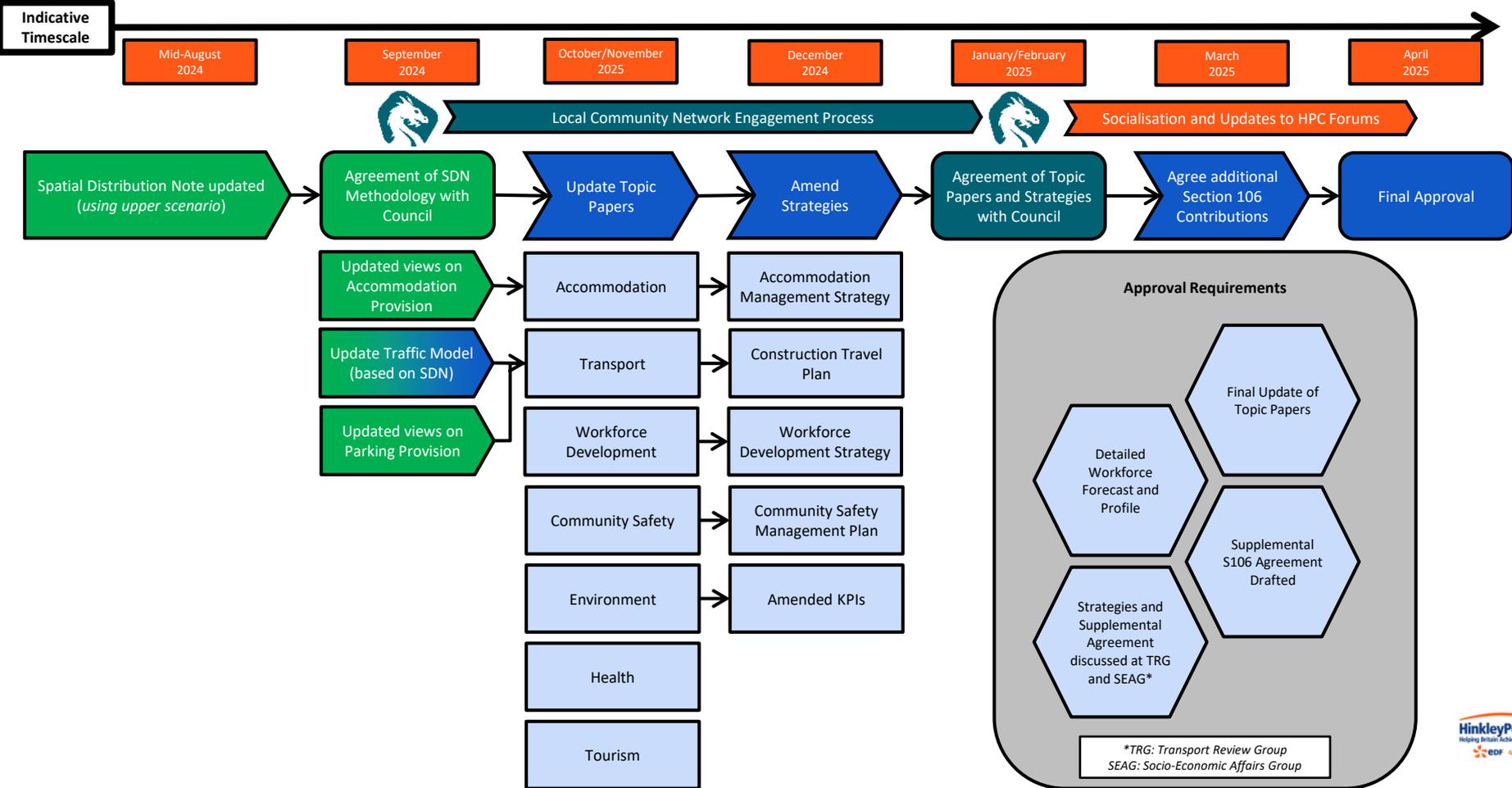


Transport and Logistics – C182

- Work to repair the C182 has now been completed.
- Thank you for your patience while the works took place.
- Further identification of improvement work or repair should continue to be reported to the Council via the normal channels.



Workforce Uplift 2 Overview



Mitigation being considered

Community Safety

Additional funding and support for Emergency Services and Community Safety posts

Accommodation

Additional funding for the Council alongside options for Campus extensions and caravan park expansion

Health

Further expansion of the Hinkley Health service to continually meet demand

Tourism

Continued support for local businesses in the Brean area.

Transport

Maximise the use of bus service to minimise car local car movements and remain within DCO caps.

Community Fund

Continued use of the Community Fund beyond the peak of construction and focus on sustainability

Maintaining our successful existing mitigation until end of construction phase. Benefits Maximisation

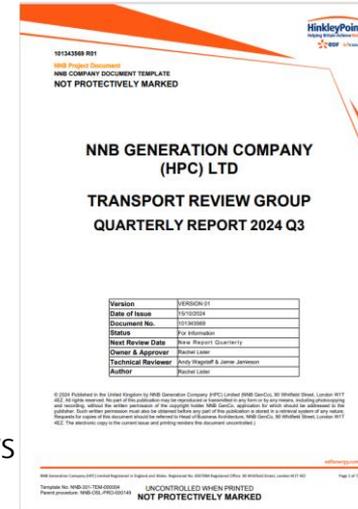
Thank You

Item 4: Transport Review Group Quarterly Report

2024 Q2 & Q3 – Transport Forum Summary R01

Transport Review Group Quarterly Report

- This presentation provides a summary of the Transport Review Group Quarterly Report for April to June (Q2) & July to September (Q3)
 - Construction Workforce Travel Plan (CWTP); and
 - Construction Traffic Management Plan (CTMP).
- Presented to the Transport Review Group (TRG) on 14 November 2024.
- This presentation is for information to the Transport Forum.
- Transport Forum is responsible for collating views from the public and forms the key link between the TRG and the wider community and provides an indication of the HPC transport issues that are impacting the general public.



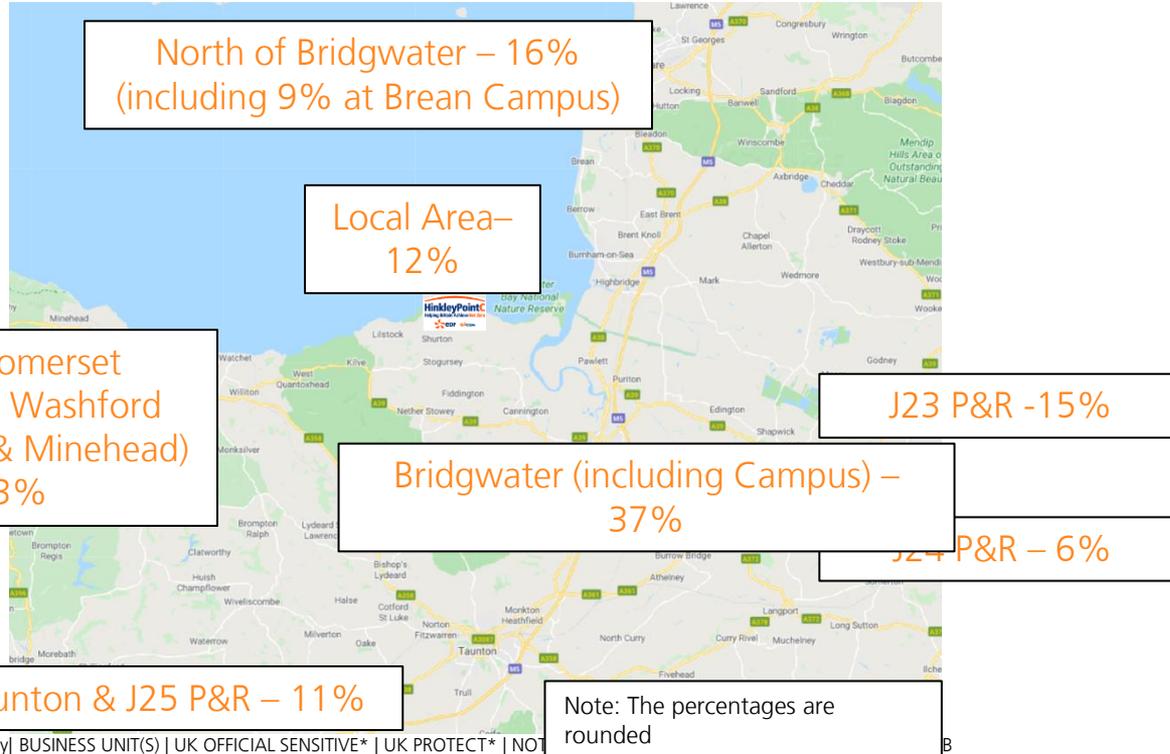
Construction Workforce Travel Plan (CWTP)

Final Journey to HPC	Target	Q2 (12/06/24) Workforce	%	Q3 (11/09/24) Workforce	%
Walk	9%	528	4.8%	526	4.4%
Cycle	0%	85	0.8%	96	0.8%
Public Bus	0%	0	0.0%	0	0.0%
Rail	0%	0	0.0%	0	0.0%
Motorcycle	0%	46	0.4%	53	0.4%
Car (Driver)	4%	200	1.8%	237	2.0%
Car Share (Driver)		29	0.3%	25	0.2%
Car Share (Passenger via HPC Car Park)	-	37	0.3%	25	0.2%
Car Share (Passenger via Drop Off Location)	-	160	1.5%	153	1.3%
 HPC Bus Service	87%	9,809	90.0%	10,723	90.6%
TOTAL	100%	10,894	100%	11,838	100%



Construction Workforce Travel Plan (CWTP)

- HPC Bus Passenger Boarding Locations (last Quarter)



Construction Workforce Travel Plan (CWTP)

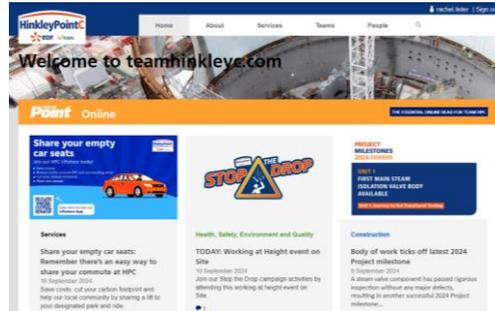


Bus Movements a Day (DCO)	Bus Movements a Day (Last Quarter on Survey Day)
1,232	1,073

- Note: Current bus movements a day include “empty running” buses which are not included in the DCO number

Construction Workforce Travel Plan (CWTP) -HPC Car Share

- The car share targets in the DCO relate to the proportion of car passengers as a total of mode share to the park and rides including those walking and cycling. Car passenger proportions at J23 and J24 P&Rs are 13.7% and 14.7% respectively (with targets set for peak construction at J23 P&R 38% and J24 P&R 36%).
- Overall, **24%** of those arriving via car to all Park and Ride were car sharers (2,849 bus passengers arriving via car and of these 691 via Car Sharing– 323 car share drivers and 368 car passengers).
- Promotion of HPC Car Share continues and a promotional week took place in **September 2024**.
- **95 new members joined** (342 members joined, increased from 247)



Construction Workforce Travel Plan (CWTP)

HPC Helpline Complaints	2024 Q2		2024 Q3	
HPC Worker not Fly Parking	41	15%	35	13%
HPC Worker Fly Parking	40	14%	41	15%
Not a HPC Worker / Not Registered	196	71%	197	72%
Total	277	100%	273	100%

During the last Quarter:

- The HPC Fly Parking Team undertook their own checks and investigated 649 potential observations.
- 226 bus passengers were found to be fly parking.
- This represents 2% of the total workforce and based on a full working week (Monday to Sunday) during the Quarter equates to 4 HPC workers fly parking a day (based on Monday to Friday excluding Bank Holidays).
- The Fly Parking Policy – 3 Stage Approach is applied to all HPC fly parkers.

Construction Traffic Management Plan (CTMP)

- HGV Movements against HGV Average / Maximum Daily / Quarterly Limit for HGV Routes

		2024 Q2			2024 Q3		
HGV Movements	DCO Cap (Movements)	Average Daily Movements	Maximum Movements on any day (Mon-Fri)	Maximum Movements on any day (Sat)	Average Daily Movements	Maximum Movements on any day (Mon-Fri)	Maximum Movements on any day (Sat)
HGV Movements	500 Average 750 (Mon to Fri) 375 (Sat)	154	252	18	156	247	42
HGV Route 1 (J23)	450	117	177	18	117	185	42
HGV Route 2 (J24)	300	36	84	0	37	82	0

Construction Traffic Management Plan (CTMP)

- Time Restrictions - HGV Movements

HGV Movements	DCO Cap (Movements)	2024 Q2			2024 Q3		
		Average Daily Movements	Max Movements on any day (Mon-Fri)	Max Movements on any day (Sat)	Average Daily Movements	Max Movements on any day (Mon-Fri)	Max Movements on any day (Sat)
07:00 - 07:59	40	25	37	10	25	38	20
08:00 - 08:59	30	17	27	6	16	28	2
09:00 - 09:59	50	21	40	2	24	44	4
10:00 - 10:59	No CAPS	20	42	2	19	40	6
11:00 - 11:59		16	34	2	17	30	14
12:00 - 12:59		16	34	2	18	39	4
13:00 - 13:59		18	39	1	17	33	3
14:00 - 14:59		12	30	0	10	26	2
15:00 - 15:59		7	22	0	6	16	0
16:00 - 16:59		50	2	8	0	2	14
17:00 - 17:59	40	1	4	0	1	6	0
18:00 - 18:59	40	1	2	0	0	3	0
19:00 - 21:59	No CAPS	1	6	0	0	6	0

Construction Traffic Management Plan (CTMP)

- 32 breaches (0.26% of total HGV movements) during last Quarter:
 - *3 HGV outside of permitted delivery hours*
 - *0 HGV over permitted time limit*
 - *29 HGVs deviated from the approved HGV route*
- All HGV drivers who were involved in these breaches have received a Driver Strike.

Construction Traffic Management Plan (CTMP)

- 2024 Q1 (average):

Daily HGV Movements	Daily HGV Deliveries
156	154

(below 500 DCO average Limit)

- Forecast Next Quarter

Daily HGV Movements	Daily HGV Deliveries
210	79

Thank You

Item 5: Passenger Transport Update

Andy Wagstaff

EDF

Thank You

Item 6: Review of AILs in 2024

Jamie Jamieson

Area Service Manager, Freight & Marine

HPC Marine Operations Update

Jamie Jamieson

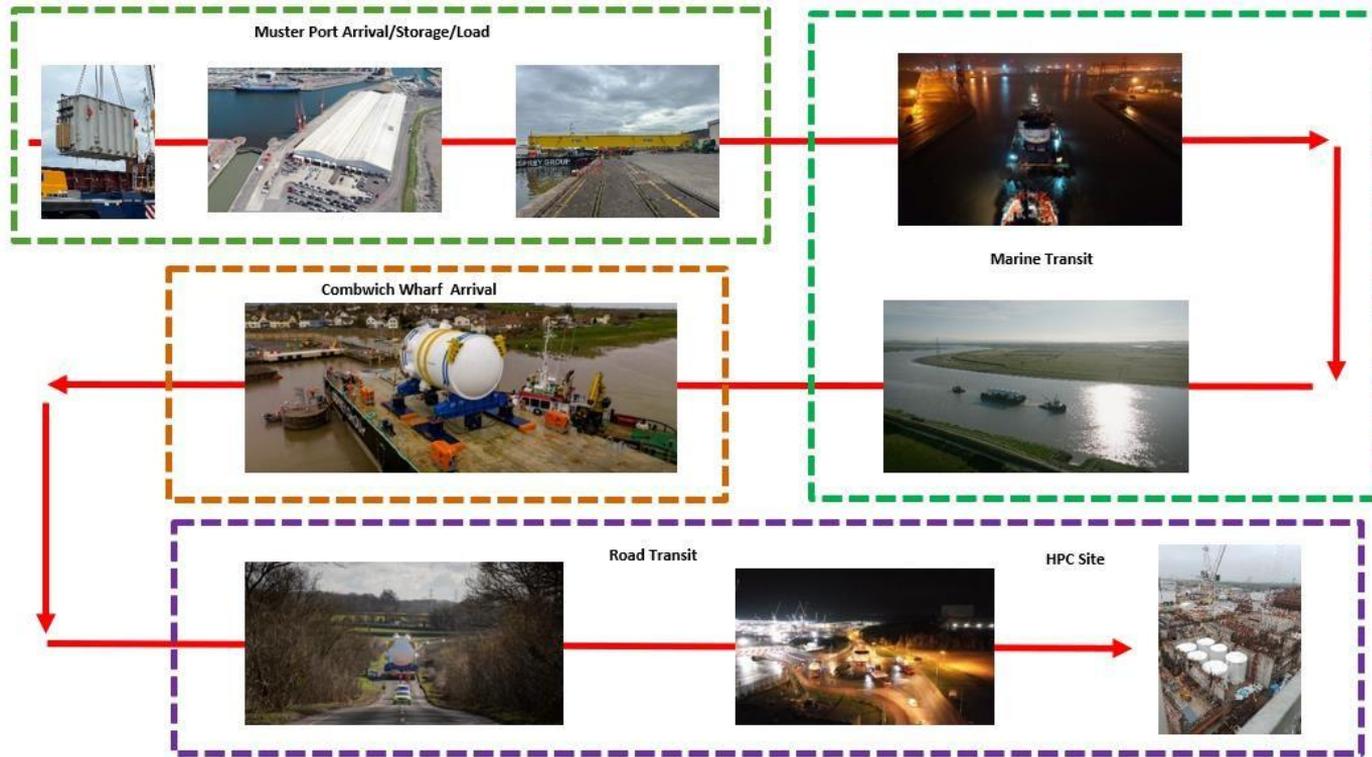
Area Service Manager



AGENDA

- HPC Marine Line of Communications
- Marine ALLs
- Avonmouth Marine Operations
- Combwich Wharf Marine Operations
- Community Safety Accreditation Scheme (CSAS)
- Marine ALLs Loads moved in 2024
- Onsite movement of critical path equipment

HPC Marine Line of Communication



7

What is a Marine AIL?

- Abnormal Indivisible Load (AILs) are loads requiring a Special Movement Order to be transported.
- All AILs are authorised and managed through a dedicated team at National Highways.
- A Marine AIL is too large and / or too heavy to be transported on the road network – even with a police escort
- Marine AILs are delivered to Avonmouth by ship and off-loaded for storage in S-Shed.



Avonmouth Marine Operations

Scope of works to receive Marine AILs in a secure facility prior to Call Off to the HPC Site. Upon Call Off provide a HPC Barge Service from Avonmouth to Combwich Wharf.



Combwich Wharf Marine Operations

Scope of works to Receive and Integrate Marine AILs from the HPC Barge Service.



C-182 Operations

Scope of works to transport Marine AILs from the wharf via the C-182 to HPC Site.





Hinkley Point C Embedded AIL Escort Service

Community Safety Accreditation Scheme
(CSAS)



Community Safety Accreditation Scheme (CSAS)

- Creates a framework for public and private bodies to work in partnership with the Police
- What does this mean for HPC?
 - In-house team deliver escorting duties (G4S)
 - Trained and accredited by Avon & Somerset Constabulary: 3-day classroom plus 2-day practical assessment using specially designed 'abnormal load'
 - Powers granted and exercisable in the Avon & Somerset area
 - CSAS team deliver all items up to 7.5m wide. A&SC escort all items over 7.5m
 - 8 CSAS team members required per road move (additional to day job)

The Solution



73876 Adam
COCKINGS

G4S SECURE
SOLUTIONS (UK) LTD

Expires: 25/01/2026



POLICE CSAS ACCREDITED

This is to certify that the person identified has been accredited under the Community Safety Accreditation Scheme and has been trained in the use of the powers under the Police Reform Act (2002) Schedule 5.

Community Safety Accreditation Scheme

The Accredited Person must be in uniform displaying the approved Community Safety Accreditation badge.



The Accredited Person is permitted to use the powers listed below:

Powers: 0, 9

The unauthorised possession, use, retention, alteration, destruction or transfer to another person is a criminal offence.

IF FOUND THIS CARD SHOULD BE HANDED IN AT THE NEAREST
POLICE STATION



Uniform

Under section 42(2)(a) of the Police Reform Act 2002, the Chief Constable of Avon and Somerset has approved the following uniform for Accredited Persons employed by **G4S Secure Solutions (UK) Ltd**:
Hi-Vis jacket & trousers (orange or yellow) with branded 'Security' and HPC Logo. CSAS badges are displayed on the arms. CSAS ID card is displayed on a lanyard tucked into a display pocket.

Chief Constable:

Powers exercisable in the Avon and Somerset Area by Accredited Persons employed by **G4S Secure Solutions (UK) Ltd** under the Police reform act 2002, Schedule 5 include;

- 0] To have access to and share information and intelligence with Avon and Somerset Constabulary.
- 9] Power to direct traffic for the purposes of escorting abnormal loads

How it works



Vehicle 1

Vehicle 2

Vehicle 3
Commander

Vehicle 4



Marine AILS Deliveries to Combwich Wharf 2024



U2 Polar Crane



U1 Steam Generators



LPOCs



HP 7



HXA Tanks

Thank you & Questions



Thank You

Item 7: Any Other Business

Chair

Item 8: Date of next meeting

Transport Forum: Thursday 13th March 2025 at 6pm

Next dates for the Community, Main Site and Transport Forums in 2025

All 6pm start and on Thursdays

Transport Forum	13 th March 2025 / 10 th July 2025 / 13 th November 2025
Community Forum	16 th January 2025 / 15 th May 2025 / 18 th September 2025
Main Site Forum	13 th February 2025 / 19 th June 2025 / 16 th October 2025

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Thank You