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Wylfa Newydd Project Liaison Group Meeting

Minutes of the Wylfa Newydd Project Liaison Group held on Thursday 25 May 2017 in the Eleth and Eilian Rooms at the Wylfa Newydd site office.

Attendees (in alphabetical order by organisation):

Name	Organisation
Myrddin Owens	Amlwch Town Council
Peter Day	Anglesey Federation of Small Businesses
Don White	Anglesey Federation of Small Businesses
Dennis Evans	Chair
Gwilym Williams	Clough & Co
Trevor Howes	CNC - Stakeholder Liaison Officer/Nuclear New Build Single Point of Contact
Eric Torr	Cwmni Cemaes Cyf / Ynni Talybolion
Wyn Thomas	Grŵp Llandrillo Menai Director Resources & Development
Tony Jones	Isle of Anglesey County Council
Brian Owen	Isle of Anglesey County Council Member for Bro Aberffraw
Richard Dew	Isle of Anglesey County Council Member for Llifon
Gwilym O Jones	Isle of Anglesey County Council Member for Llifon
Ieuan Williams	Isle of Anglesey County Council Member for Lligwy
John Griffith	Isle of Anglesey County Council Member for Talybolion
Kenneth P Hughes	Isle of Anglesey County Council Member for Talybolion
Aled Morris Jones	Isle of Anglesey County Council Member for Twrcelyn
Richard Griffiths	Isle of Anglesey County Council Member for Twrcelyn
Manon Francis	Isle of Anglesey County Council/Energy Island Programme
Elin Pritchard	Llanbadrig Community Council
Elfed Jones	Llanbadrig Community Council
Medwyn Williams	Magnox Ltd
Ann Kennedy	Mayor of Holyhead Town Council
Iwan Williams	Natural Resources Wales
Geraint Hughes	North Wales Fire and Rescue Service
Sarah Andrews	Public Health Wales
Anna M Jones	Tref Alaw Community Council
Dr Tom Conway	Wylfa Retirees Association
Eurwyn Aled Hughes	Ysgol Uwchradd Bodedern

Apologies:

Name	Organisations
Peter Day	Anglesey Federation of Small Businesses
Phil Scott	Anglesey Tourism Partnership
Dr Gwynne Jones	Chief Executive of Isle of Anglesey County Council
Dylan Williams	Head of Economic Development
Llinos Medi Huws	Isle of Anglesey County Council Member for Talybolion (Leader)

HORIZON COMMERCIAL



Jac Jones	Mechell Community Council
Hywel Williams MP	Member of Parliament for Arfon
Michael Dodds	Member of the Public
John Cadwaladr Jones	Member of the Public
Mel O'Hara	Member of the Public
John Idris Jones	Snowdonia Enterprise Zone
Siân Gwenllïan AM	Welsh Assembly Member for Arfon
Janet Finch Saunders AM	Welsh Assembly Member for Conwy
Lord Dafydd Elis-Thomas AM	Welsh Assembly Member for Dwyfor Meirionnydd
Jackie Blackwell	Ynys Mon - Citizen's Advice Bureau

If your name has been inadvertently missed from this list or recorded inaccurately, please contact Horizon on 0800 954 9516 or at wylfaenquiries@horizonnuclearpower.com.

For general project information or to ask Horizon any questions, please contact the team on 0800 954 9516 or at wylfaenquiries@horizonnuclearpower.com and visit www.horizonnuclearpower.com

You can access these minutes and all the presentations from the PLG meeting via www.wylfaplg.com

1. Welcome, minutes of the March 2017 meeting and matters arising - Dennis Evans, Chairman

- Dennis Evans (**DE**) welcomed everyone to the meeting at 6.30pm and introduced the individuals who would be giving presentations. A minute's silence was given following the events in Manchester on Monday 22 May.
- **DE** congratulated Wyn Thomas (**WT**) on his re-election as Vice Chair of the PLG and thanked Tom Conway (**TC**) for also standing. **DE** also welcomed and congratulated the newly elected and re-elected councillors.
- Minutes of the 9 March 2017 were reviewed. **DE** noted that the discussion on page nine of the March minutes regarding housing in Amlwch would be covered again at this meeting.
- There were no matters arising that were not already covered in the meeting's agenda to follow.
- The minutes were accepted as a true record of the 9 March 2017 PLG meeting.

2. Introduction and Wylfa Newydd progress update - Sasha Davies, Head of Strategic Development Wales; Roger Parkinson, Head of Project Development.

- Sasha Davies (**SD**) welcomed everyone to the meeting and apologised for the later start than usual and increased security.

HORIZON COMMERCIAL



- **SD** gave an updated on the past few weeks' work since the March 2017 meeting. **SD** noted that Horizon had been focussed on delivering the third stage of pre-application consultation, PAC3. This had resulted in increased activity in the local media and on Horizon's own social media channels ahead the launch of the consultation, which had opened on Wednesday 24 May and will close on Thursday 22 June. **SD** highlighted a number of key pieces of coverage and comment, including an interview on Mon FM, the arrival of an island-wide newsletter and activity on Twitter.
- **SD** explained Horizon's charitable donations scheme continues to support groups and organisations on Anglesey and in North Wales. In the last year £80,000 has been donated in North Wales and to 29 organisations on Anglesey alone. Recently, the Anglesey Hawks received funding for new equipment and funding has been provided to the new Urban Sports Park in Llangefni along with 14 other organisations so far this financial year. More information on how to apply is on the Horizon website.
- **SD** also confirmed Horizon is a main sponsor for the National Eisteddfod, which takes place in Bodedern this August. Horizon will be in the main Science and Technology Pavilion and will be highlighting the importance of Science, Technology, Engineering and Maths (STEM) subjects in school via Horizon's 'Futures' education programme.
- **SD** noted that before the Eisteddfod, Horizon will be out at events in the local community alongside the consultation events in May and June. In particular, Horizon will be at the popular RAF Valley Family Day on Thursday 1 June and will be running the second Work Insight Week in July for pupils wanting an insight into Wylfa Newydd. Greg Evans, Delyth Owen and Richard Foxhall have all been visible locally and will continue to be out meeting people over the summer months.
- **SD** explained that while Horizon's approach to skills development is still being considered and refined, they are pleased that 12 more apprentices will join the Wylfa Newydd Project in September this year. This is a slight increase on the 10 apprentices that joined in 2016 and demonstrates the company's commitment to investing and nurturing future talent. Training will be delivered through Grwp Llandrillo Menai at the college's range of facilities at Bangor initially before moving to the Engineering and Technology Centre.
- **SD** said the current cohort of 10 apprentices will also be travelling to Japan in June to learn more about Hitachi and meet Hitachi apprentices. They will also visit Hitachi City and get an understanding of how Horizon's parent business operates. They're all very excited.
- **SD** said site activity was progressing well. In June the next phase of archaeology work will commence which will include some community engagement as well as a newsletter informing people of the work. The team is also working closely with Welsh Water on the Cemaes rising main, with work due to start very soon in the summer. **SD** noted that surveying work was still underway with noise monitoring in place at Parc Cybi, the site of a future logistics centre.

HORIZON COMMERCIAL

HORIZON COMMERCIAL



- **SD** introduced Roger Parkinson (**RP**), Horizon's Head of Project Development to his first PLG.
- **RP** introduced himself and explained his role at Horizon. He noted he had more than 30 years' experience in major projects, including recent experience of Hinkley Point C. He joined Horizon around six months ago and his initial aim was to work with the team to review feedback from PAC1 and PAC2 and carried out a review of the proposals for Wylfa Newydd.
- **RP** explained the starting point for the review was six key questions designed to ensure the Project was delivering value and confidence for local communities, for UK consumers, for the Government and for investors. He explained Wylfa Newydd differs to Hinkley Point C in that it will be built not only from balance sheet investment, but via project finance from the private sector. He explained the six questions were vital in understanding how best to deliver a Project that works for everyone and aligned with the timescales Horizon was working to – including a Development Consent Order (DCO) application in the summer. Other key milestones include a final investment decision in 2019, following approval from the UK Government to build Wylfa Newydd, and first operation in 2025.
- **RP** said the review helped to inform some key changes to the Project, beginning with the footprint of the site itself. He explained the initial design was generous both with space and construction scheduling. The changes reflected Horizon's desire to develop Wylfa Newydd in a way that helps to refine construction timeframes and benefit the wider community. **RP** explained the changes don't alter the technology, engineering or safety and security requirements for the site nor does it change the GDA (Generic Design Assessment) process that is being led through Hitachi-GE. Those commitments remain the same and the work undertaken during the early years of the Project to inform construction challenges remain relevant, while the changes to the footprint are significant, the nature of the Project remains the same.
- **RP** explained the changes allow Horizon to refine the worker numbers for the site as well as the scheduling. He said a site with smaller footprint has an impact on construction. As a result, the number of workers needed to build Wylfa Newydd has moved from 10,720 to 9,000.
- **RP** also stated that the review has focussed Horizon's attention on accommodating up to 4,000 workers on site in a new campus. That figure had been 500 at the second stage of pre-application in 2016. He explained the exact numbers are not absolute, but the campus will be built in phases depending on demand in line with the construction process. The eastern buildings would be built first with western buildings constructed as and if required, a recreation centre will be provided on site along with shuttle buses to transport workers.
- **RP** explained the site campus will be temporary, with the land returned to nature once facilities are removed with natural features – rocky outcrops, for example – retained. He explained there would be a landscaping to the east of the campus between the buildings and

HORIZON COMMERCIAL

HORIZON COMMERCIAL



Cemaes, offering screening. This would reduce visual impact and noise and lighting impacts, but it also allows Horizon to keep material on site. The main view of the campus would be to the north of Cemaes Bay.

- **RP** explained the site campus won't be needed until 2020, with the buildings introduced and removed over the five years to 2025. **RP** explained construction would peak in 2023.
- **RP** explained the parking and transport plan had been altered in line with the Project changes. Horizon had looked at how the Project could reduce movements between site and associated offsite developments. He explained the site campus helps reduce worker movements. An updated Site Management Plan would also be developed before the campus is developed. **RP** explained that worker management is a priority and recognised local concerns exist. He said modern plans focus on strict management and minimising local disruption and concerns as well as ensuring workers have access to welfare and support on site rather than in the community. He also noted that local workers wanting to use local facilities - such as shops – would have a positive impact on the economy.
- **RP** noted the travel plan also accounts for some changes to Dalar Hir and Parc Cybi, but the overarching plan for logistics and travel policy remains as it was for PAC2. **RP** said the proposals to upgrade the A5025 remain the same although the proposal now is that offline road improvements will now be included as part of the DCO under the Welsh Planning Act. Online road improvements will form a TCPA (Town and Country Planning Act) application, as will Site Preparation and Clearance.
- **RP** explained Horizon was also now proposing to house the Alternative Emergency Control Centre (AECC), Environmental Survey Laboratory (ESL) and Mobile Emergency Equipment Garage (MEEG) on one site. This was a change from PAC2 when the AECC and ESL were proposed for Cefn Coch with the MEEG at Llanfaethlu. The new proposal in PAC3 was for all three off-site facilities to be located at Llanfaethlu. This is more effective and efficient for the operation of Wylfa Newydd.
- **RP** explained that these core changes allowed Horizon to develop a more economically and socially attractive Project but are significant enough for the company to want to ask for the views of the public, although the focused nature of PAC3 means a 28 day consultation is the right amount of time to engage local communities.
- **RP** said PAC3 is important as it will allow Horizon to understand the views of the public ahead of a DCO submission. However, while the changes are important much of what was presented to the public at PAC2 remains the same.
- **RP** said the A5025 upgrades remained the same with some minor refinements. The Valley Junction had been moved away from the flood risk zone following feedback and analysis. Horizon was also looking at some additional land at Llanfachraeth and Llanfaethlu as a buffer

HORIZON COMMERCIAL

HORIZON COMMERCIAL



against local habitats. The improvement at Cefn Coch has also been narrowed to avoid earthworks in areas of ancient woodland. **RP** said access to the campus at site would be via the existing site entrance.

- **RP** noted that Dalar Hir remains the proposed site for a park and ride facility, albeit with a revised number of parking spaces in line with the refined transport plan. He also noted the proposed logistic centre at Parc Cybi remained the same with a slightly increased number of parking spaces – to 100 – and the removal of a warehouse unit. Both changes would help improve traffic flow during construction and both developments would be consented under the DCO process, not via the local authority.
- **RP** stated that Horizon’s commitment to transparent engagement with the community and to the need to secure a social licence to operate – support from the community and key bodies – was also critical. This meant examining and explaining the benefits the Project would bring and ensuring that the Wylfa Newydd operation was a good neighbour that protected and enhanced the local area.
- **RP** reiterated Horizon’s wider commitments too. He noted that Horizon would continue to engage with the community to develop its social licence to operate and uphold commitments to the Welsh language, culture and invest in local skills and training. Horizon is also committed to employing a full time Welsh Language and Culture Coordinator. They would help shape and manage Horizon’s approach to the protection and promotion of language and culture in the future.
- **RP** welcomed **SD** back to provide an overview of Horizon’s approach to community benefits and how people can get involved in PAC3.
- **SD** explained the emerging approach to community benefits packages. Following discussions with Isle of Anglesey County Council there were three areas of benefit – inherent, statutory and voluntary. Inherent benefits were linked to the project and included education, job creation as well as economic benefits. Statutory would be linked to TCPA S.106 agreements and conditions placed on the Project and are likely to include mitigation against impacts on the community. Finally, voluntary community benefits will be considered post Development Consent Order submission.
- **SD** said there are a number of actions that Horizon is progressing in the shorter term that are very important to the Project. Horizon will employ a Welsh Language and Culture Coordinator who will oversee Horizon’s approach to the protection and promotion of the language. The job specification is being developed and agreed in line with the Welsh Language board.
- **SD** also noted that Horizon intends to launch an employment and skills service that will allow local people to access recruitment opportunities with Wylfa Newydd as they are created. This will also promote skill training opportunities that are available through partner organisations.

HORIZON COMMERCIAL

HORIZON COMMERCIAL



Isle of Anglesey County Council, the Department for Work and Pensions (DWP) and the North Wales Ambition Board are all involved in the creation of this service.

- **SD** said Horizon is also looking at funding a provision for new build affordable housing in the community to boost local housing stock and quality, in the north Anglesey area a new tourism fund to mitigate against impacts arising during construction is also being explored.
- **SD** encouraged PLG members to take part in PAC3 and to encourage friends, families and the people they represent to get involved. **SD** noted that Horizon will be more visible than before, with a new consultation bus going directly to community events and places with high footfall to gather public views and opinions. Consultation closes on 22 June and if you can't make it, **SD** encouraging people to go to the Horizon consultation website.
- **SD** said after consultation closes, Horizon will look to review feedback and assess detailed responses. With that process underway, two further TPCA consultations will launch on Site Preparation and Clearance and A5025 improvements. Horizon will make more information available in the coming weeks.
- **DE** opened the floor to comments and questions.

Questions and comments:

- Councillor Richard Griffiths (**RG**) said there was concern about the route along the A5025 from Menai Bridge to the site. This was a concern for local residents and the Council. What was Horizon's plan for the road?
 - **RP** recognised this was an issue locally and shares the same concerns. Discussions held with the local authority and internally at Horizon suggest there may be something Horizon can do, but the traffic modelling carried out to date doesn't highlight specific issues with the road. **RP** said the road capacity is operating well within limits even with increases as a result of construction and operation, so the consideration for Horizon is what actions needed to be taken. This process could take another 12 months to assess.
- Councillor Bryan Owen (**BO**) thanked Horizon for the presentation. He said the local community has asked for Horizon to look at route improvements between Amlwch and the site for four years given the increased traffic the Project would bring, why would it take another year?
 - **RP** acknowledged the question and the frustration. He said that the modelling so far hasn't identified any clear issues with the route which makes identifying a course of action difficult. A small amount of traffic would use the route, but modelling shows this would be within capacity. As a result, the improvements are potentially subjective, so Horizon needs to spent time looking at the specific improvements that might be needed to improve safety and reduce the chances of accidents or issues

HORIZON COMMERCIAL

HORIZON COMMERCIAL



along the road. Identifying the right approach takes time, but Horizon is looking at what the case for improvements is.

- Councillor Richard Jones (**RJ**) asked what the provision for housing was in Amlwch.
 - **RP** said Horizon is in discussions with the Council to see what the company can do to improve housing stock in the town. Horizon wants to develop something fitting for local people and for a future workforce.
- Tom Conway (**TC**) said that road safety matters when it comes to pedestrian safety. Would Horizon fund the straightening of the road between Amlwch and Cemaes?
 - **RP** said Horizon could potentially provide some funding for the road, but it wouldn't be part of a Section 106 agreement or conditional upon the Wylfa Newydd site.
- **DE** said the road has been raised consistently for a number of years. He advised that it was important it was given proper consideration by the company.
 - **RP** agreed and said Horizon recognised this point. He said it was crucial Horizon supported the community and is working with the Council on the matter.
- **TC** said this was the first time he had seen mention of affordable housing mentioned. He asked how people would be accommodated in these homes and what would they look like.
 - **RP** said accommodation on site allows Horizon to provide funding to alternative housing solutions elsewhere on the island. He said families may want to move to the island and that the Site Campus may not provide a solution they want. Housing off-site would provide more space for families while also providing the local authority with the opportunity to increase housing stock post-construction. The exact specifications and design of these houses was to be discussed with Isle of Anglesey County Council.
 - **TC** said that for every past nuclear power station, a developer had to fund housing close to the station.
- Sarah Andrews (**SA**) asked what will happen to health services during construction.
 - **RP** said that Horizon has been meeting regularly with an independent Health Impact Assessment Board which has been shaping Horizon's approach to managing impacts on the health service locally. At this stage Horizon has been developing evidence and statistics to assess the possible impacts that need to be addressed. This process will inform a Statement of Common Ground whereby the local health service and health providers agree what the key issues are and how Horizon will manage them. Any mitigation measures will then be turned into conditions shaped through the Section 106 agreement. **RP** said it takes time to agree principles.
- Councillor Aled Morris Jones (**AMJ**) welcomed **RP** to the PLG. He said the A5025 road between Cemaes and Amlwch was raised four years ago at a meeting to agree work would be undertaken along the route. He said people would use the road during construction and there

HORIZON COMMERCIAL

HORIZON COMMERCIAL



would be an impact on the route, therefore Horizon should commit to the road project to protect the community.

- **RP** acknowledged the comment and agreed the road was an area of focus for Horizon.
- Councillor Elin Pritchard (**EP**) noted that the Project impacts are significant for the local community. She said it was important Horizon ensures the Project protects the community and properly assesses the impacts related to the proposed station.
 - **RP** agreed the Project is a significant construction project. He said there are a range of focus groups Horizon is working with to understand the impacts and the mitigation measures necessary to protect the community and community services. He said the Inspector will bring up a wide range of issues during the examination process designed to test the robustness of the decisions made by Horizon. Horizon needed to be prepared to be asked these questions and some of these issues are already being raised at the PLG. He said while there was work to be done, Horizon was on the right track.
- Councillor Gwilym O Jones (**GOJ**) said he was pleased to see education and training was being invested in. He noted that he had seen capital funding was being made available for secondary schools, but could he ask that Horizon invest in primary schools too.
 - **SD** said that Horizon was already engaged with primary schools across the island and on the mainland to promote STEM subjects via the Futures programme. She noted that Horizon was keen to do more to help these schools and was working closely with the Council to understand what else could be done. She recognised that learning about science, technology, engineering and maths started early.

3. Overview of the UK ABWR – Development, design, construction and operation: Dave Watson, Senior Regulatory Advisor, Hitachi-GE

- **DE** introduced Dave Watson (**DW**) from Hitachi-GE to talk about the UK ABWR, the technology proposed for Wylfa Newydd.
- **DW** thanked the membership and explained he was going to discuss the history and development of the UK ABWR. He said he had 35 years' experience in the sector and was involved in the GDA (Generic Design Assessment) process which was assessing the UK ABWR technology for deployment in the UK.
- **DW** explained that UK ABWR is derived from the Boiling Water Reactor (BWR) technology introduced in Japan. Construction of the technology has been continuous since the 1970s with ongoing design improvements leading to the development of the Advanced Boiling Water Reactor – the ABWR. The UK ABWR is a further refinement of the technology that incorporates the GDA process as well as the Weightman Report developing following the 2011 Fukushima disaster.

HORIZON COMMERCIAL

HORIZON COMMERCIAL



- **DW** said there were four ABWRs in operation with a further four in development and construction, two of which are nearing completion. He explained the ABWR has simplified systems and high levels of reliability, and the UK ABWR refines these processes further. He said the company had lots of experience in delivering ABWRs.
- **DW** explained all BWRs use a direct cycle. This differs to Pressurised Water Reactors (PWR) which use a more complex primary and secondary cycle. All are safe, but an ABWR reactor is simpler.
- **DW** said the key refinements to the BWR are focussed on improving reliability and maintenance as well as safety. The flexible core design allows for improved economy and operations leading to greater levels of reliability and maintenance.
- **DW** gave an overview of the reactor components and structure. He noted that forging larger components such as the pressure vessel is the preferred construction method as it eliminated the need for welding. He said that while the core technology has remained the same, a big difference is the control room where the design has evolved over the life of the station. The turbine design has also remained similar, with the key change being improvements to thermal efficiencies.
- **DW** explained that safety systems have kept up to modern systems and standards. The UK ABWR will operate with a defence in depth approach where there are multiple safety systems and back-ups. Safety systems are reviewed via the GDA process to ensure they meet modern standards. **DW** said the GDA is a rigorous system and rightly assesses the right issues.
- **DW** said the Fukushima disaster has influenced the UK ABWR and the lessons learnt here and via the GDA process have informed the deployment and design of the ABWR. The main changes are:
 - Increased site elevation
 - Improved earthquake protection, including seismically qualified buildings
 - Protection of core facilities and watertight buildings and doors around back-up features.
 - Loss of electrical supplies has been improved.
- **DW** said the GDA process was making good progress this year, with approvals on track for this year. It examines safety, environmental protection and security and takes a long time with constant dialogue with the regulators and many hundreds of document submissions. He pointed to the EPR which took five years to approve and the AP1000 which took 10 years, with a gap in the process.
- **DW** said the process was designed to be transparent, with responses to regulatory questions posted on the website. Design changes have been requested and made, with some changes

HORIZON COMMERCIAL

HORIZON COMMERCIAL



being incorporated worldwide. Similarly, two regulatory issues were raised and addressed. The GDA process is expected to complete at the end of the year.

- **DW** said the comment process for the GDA is live until 15 August this year at www.hitachi-hgne-abwr.co.uk. He encouraged PLG members to look at the website.
- **DE** thanked DW for the presentation and noted that there had been some questions arising earlier in the year at an ONR and Natural Resources Wales (NRW) consultation event about the discharge rates. He believed these are covered by the GDA process. He noted there has also been some questioning about the integrity of the National Grid connection and control assessments for the power station.
 - **DW** recognised the transmission network questions had been raised. He explained that the GDA process assumes a generic site envelope for the integrity of the connection which cover a range of factors. The assumed factors are drawn from the licensee and are very conservative, taking account of a number of potential issues that may arise in order to test the connection. Once the GDA process is completed, it will be the role of the licensee – Horizon - then to look at the conditions and test whether the site envelope applies at Wylfa.
 - **DW** also recognised questions about the discharge levels and limits. He explained that the Environment Agency acting as NRW in Wales provides guidance on legal limits for discharge levels, which are very low – and much lower for the new generation of power stations. NRW measures the likely levels and will not grant permission if doses exceed agreed levels.
 - Iwan Williams (**IW**) from NRW noted that Horizon an application licence for the site will be developed by Horizon this year and NRW will consult with stakeholders and communities in 2018. He noted that Cemaes residents in particular will need to understand and feel comfortable with the application and what it means.
- Councillor Ken Hughes (**KH**) asked about the IT systems for the new power station – can they be hacked?
 - **DW** explained that the GDA process considers security, including cyber attacks. He said the computer systems have a protection system and while there is some linkage between ABWR systems across the world, control systems at Wylfa Newydd will be isolated from the internet. There is also a hardwired system in place, which means they're isolated from outside interference.
- **AMJ** said that the local area should take comfort from the GDA process. He stated that he felt the Civil Nuclear Constabulary (CNC) should manage security for the station, not a private firm.
 - Trevor Howes (**TH**) from the CNC noted that the CNC would still provide security for Wylfa Newydd, with private security managing some on site functions, as they do now.

HORIZON COMMERCIAL



- **RG** asked whether the proposals as outlined at the meeting and in PAC3 documents would mean pylons across the island. What is the safety case for those pylons?
 - **DE** said that National Grid is responsible for the connection to the electricity network and that the safety case has been raised at previous meetings. This is the responsibility of National Grid.

4. Close

- **DE** thanked everyone for attending and closed the meeting at 21:05.

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