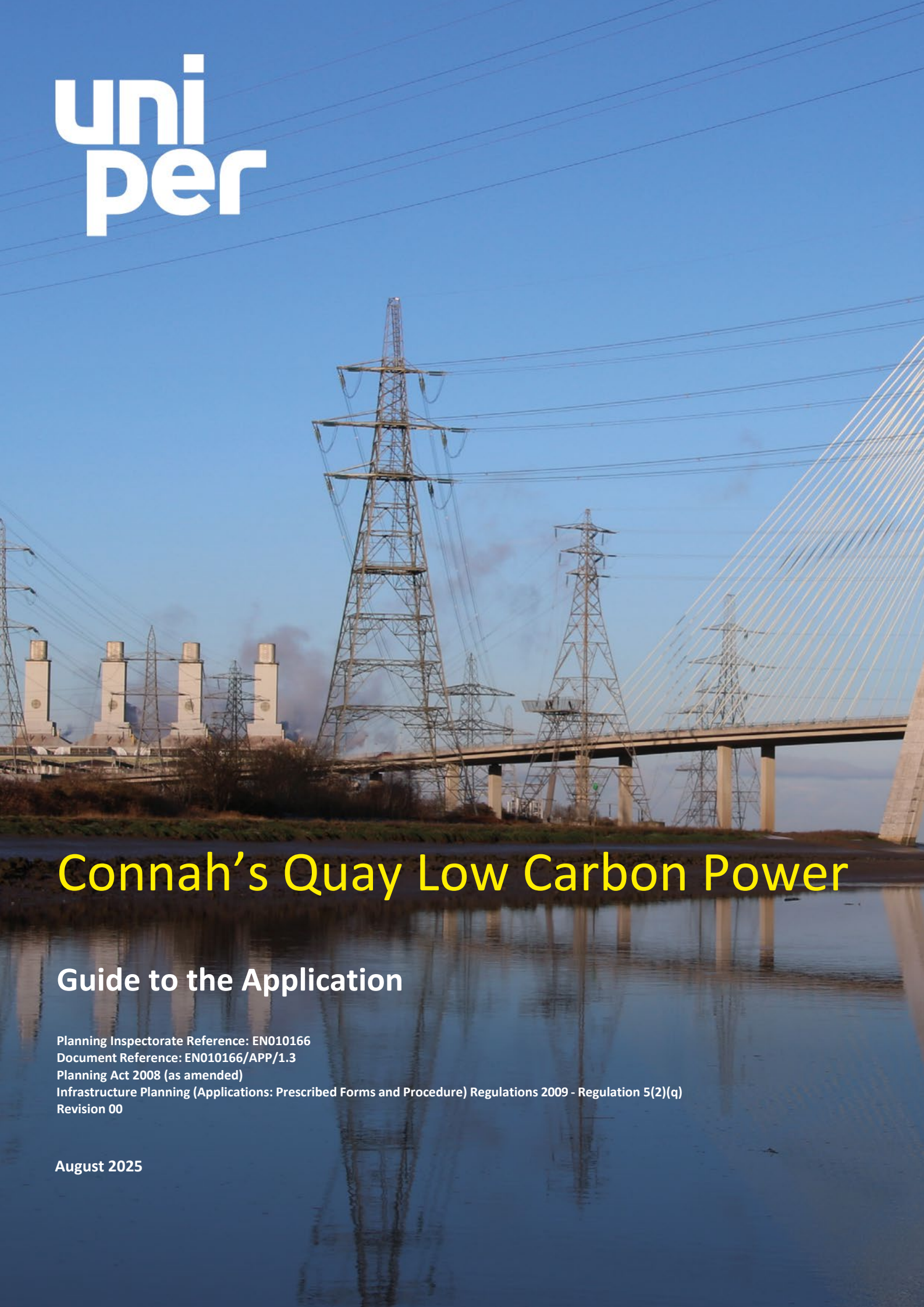

Connah's Quay Low Carbon Power

Guide to the Application

Planning Inspectorate Reference: EN010166
Document Reference: EN010166/APP/1.3
Planning Act 2008 (as amended)
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 - Regulation 5(2)(q)
Revision 00

August 2025

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1. Introduction

1.1 Background

1.1.1 This **Guide to the Application (EN010166/APP/1.3)** has been prepared on behalf of Uniper UK Limited (the Applicant) by DWD Property and Planning Limited (DWD). It forms part of the application (the Application) that has been submitted for a Development Consent Order (a DCO) from the Secretary of State (the SoS), under Section 37 of the Planning Act 2008 (the 2008 Act) in respect of the Connah's Quay Low Carbon Power (CQLCP) project (the Proposed Development) on land at, and in the vicinity of, the existing Connah's Quay Power Station Site, Kelsterton Road, Connah's Quay, Flintshire, North Wales.

1.1.2 The Applicant is Uniper UK Limited, a United Kingdom (UK) based company, wholly owned by Uniper SE (Uniper) through Uniper Holding GmbH. Uniper is a European energy company with global reach and activities in more than 40 countries. With approximately 7,500 employees worldwide the company makes an important contribution to security of supply in Europe, particularly in its core markets of Germany, the UK, Sweden and the Netherlands. In the UK, Uniper owns and operates a flexible generation portfolio of power stations, a fast-cycle gas storage facility and two high pressure gas pipelines, from Theddlethorpe to Killingholme and from Blyborough to Cottam.

1.1.3 Uniper is committed to investing around €8 billion (~£6.9 billion) in growth and transformation projects by the early 2030s and aims to be carbon-neutral by 2040. To achieve this, the company is transforming its power plants and facilities and investing in flexible, dispatchable power generating units. Uniper is already one of Europe's largest operators of hydropower plants and is helping further expand solar and wind power, which are essential for a more sustainable and secure future. Uniper is gradually adding renewable and low-carbon gases such as biomethane to its gas portfolio and is developing a hydrogen portfolio with the aim of a long-term transition. The company plans to offset any remaining carbon dioxide (CO_2) emissions by high-quality CO_2-offsets.

1.1.4 The Proposed Development, which the Applicant is seeking development consent for, involves the construction, operation (including maintenance) and decommissioning of a proposed low carbon Combined Cycle Gas Turbine (CCGT) Generating Station fitted with Carbon Capture Plant (CCP) (the CQLCP Abated Generating Station) and supporting infrastructure on land at, and in the vicinity of, the Connah's Quay Power Station Site, Kelsterton Road, Connah's Quay, Deeside.

1.1.5 Development consent is required for the Proposed Development as it has a generating capacity that exceeds 350 megawatts (MW) and is classified as a 'Nationally Significant Infrastructure Project' (an NSIP) under Sections 14(1)(a), 15(1) and 15(3A) of the 2008 Act. As a result, the Applicant is required to obtain a DCO to authorise the Proposed Development under the 2008 Act.

1.2 The Development Consent Process

1.2.1 Under the 2008 Act, development consent can be granted in the form of a DCO for certain types of NSIPs by the relevant SoS – in the case of energy infrastructure projects, this is the SoS for the DESNZ.

1.2.2 Section 14 of the 2008 Act defines the types of development that constitute a NSIP and require development consent under Section 31. In the 'field' of energy these include generating stations, electric lines, underground gas storage facilities, liquified natural gas facilities, gas reception facilities, gas transporter pipelines and other forms of pipeline.

1.2.3 The Proposed Development falls within the definition of a NSIP under Sections 14(1)(a), 15(1) and 15(3A) of the 2008 Act, as it is for the construction of an onshore generating station in Wales which does not generate electricity from wind and has a capacity of more than 350 MW. As a result, the Applicant is required to obtain a DCO to authorise the Proposed Development under the 2008 Act.

1.2.4 Section 115(4A) of the 2008 Act provides that an application for development consent for the construction of a generating station that is expected to be within Section 15(3A) can include 'associated development'. Guidance issued by the Department for Communities and Local Government entitled 'Planning Act 2008: associated development applications for major infrastructure projects' in April 2013 (Ref-2) states that associated development should either support the construction or operation of the principal development (the NSIP) or help address its impacts. Examples of associated development for generating stations include gas and electricity grid connections. The Application for the Proposed Development includes associated development.

1.2.5 Section 37 of the 2008 Act governs the form and content of the documents that are required as part of a DCO application. Key requirements are also implemented through the Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 (the 'APFP Regulations') (Ref-3); the Infrastructure Planning (Miscellaneous Provisions) Regulations 2024 (Ref-4); and the Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 (the 'EIA Regulations') (Ref-5).

1.2.6 An application for development consent for the Proposed Development has been submitted to the Planning Inspectorate (PINS) acting on behalf of the SoS. Subject to the Application being accepted (which will be decided within a period of 28 days following receipt of the Application), PINS will then examine it and make a recommendation to the SoS, who will then decide whether to make (grant) the DCO.

1.3 The Proposed Development Site

1.3.1 The Proposed Development Site is located approximately 0.6 kilometres (km) north-west of the town of Connah's Quay in Flintshire, north-east Wales. The Proposed Development Site lies entirely within the administrative area of Flintshire County Council (FCC).

1.3.2 The Proposed Development Site (the Order limits) comprises a total area of approximately 105 hectares (ha). Around 86.2 ha of the land within the

Order limits relates to the 'Construction and Operation Area', comprising the 'Main Development Area' (MDA), connections corridors and construction areas necessary for the construction, operation and decommissioning of the Proposed Development. The remaining land, approximately 18.8 ha, is included within the Order limits for the 'Accommodation Works Areas', comprising areas of works required to facilitate the movement and temporary storage of Abnormal Indivisible Loads (AILs) during construction of the Proposed Development.

1.3.3 The Site comprises the following areas of permanent and temporary land use:

- Construction and Operation Area, including:
  - MDA;
  - Repurposed CO_2 Connection Corridor;
  - Proposed CO_2 Connection Corridor;
  - Water Connection Corridor;
  - Electrical Connection Corridor;
  - Surface Water Outfall Area;
  - Construction and Indicative Enhancement Area (C&IEA);
  - MDA Access Works Area;
  - Access to C&IEA; and
  - Alternative Access to MDA;
- Accommodation Works Areas, including:
  - A548 from Port of Mostyn to Greenfield;
  - Tir Glas Roundabout;
  - A548 through Flint to Chester Road Roundabout;
  - AIL Access;
  - Connah's Quay North; and
  - North Road to the A548.

1.3.4 To the north and north-west of the existing Connah's Quay Power Station and the MDA is the River Dee and its estuary, much if which is subject to statutory nature conservation designations. The town of Connah's Quay is located to the south-east, immediately beyond the A548 and the North Wales Main Line railway. The area to the west and south-west of the Construction and Operation Area is mainly used for agriculture purposes. High voltage (HV) overhead line and distribution overhead lines extend into the surrounding area.

1.3.5 The majority of the Site is within the ownership or control of the Applicant and the MDA is centred on national grid references 327347 and 371374.

1.3.6 The location of the Proposed Development Site is shown on the **Site Location Plan (EN010166/APP/2.1)** and the extent of the Order limits is shown on the **Land Plans (EN010166/APP/2.2)** both of which form part of the Application.

1.3.7 A more detailed description of the Proposed Development Site and its surroundings is provided at **Chapter 3: 'Location of the Proposed Development' (EN010166/APP/6.2.3)** of the **Environmental Statement** (ES).

1.4 The Proposed Development

1.4.1 The Application seeks development consent for the demolition of an existing Gas Treatment Plant (GTP), distinct from the existing Connah's Quay Power Station, and Above Ground Installation (AGI), store buildings, and contractors' facilities on site; and the construction and operation (including maintenance) and decommissioning of a proposed low carbon Combined Cycle Gas Turbine (CCGT) Generating Station with Carbon Capture Plant (CCP) achieving a net electrical output capacity of more than 350 MW (referred to as MWe for electrical output) and up to a likely maximum of 1,380 MWe (with the CCP operational) onto the national electricity transmission network; natural gas, water abstraction and discharge and electricity connections; a CO_2 connection to the HyNet CO_2 Pipeline Project; AGIs; utilities; construction laydown areas; access works; and other associated and ancillary development.

1.4.2 The Proposed Development is referred to as the 'CQLCP' project. It would be fuelled by natural gas. It is designed to operate with a post-combustion CCP installed and would generally be operated as a dispatchable low carbon generating station.

1.4.3 The location of the Proposed Development makes use of the existing available infrastructure links including electrical grid and gas (specifically the National Grid Electricity Transmission plc (NGET), which builds and maintains the electricity transmission networks in England and Wales, and National Gas Transmission plc (NGT) networks) and has been sited to facilitate its connection to the HyNet CO_2 Pipeline Project, which was granted development consent in March 2024.

1.4.4 The Proposed Development would include up to two new integrated power generation and carbon capture 'Trains'. Each Train comprises the assets required within the MDA for the CCGT plant with CCP to operate, including supporting buildings, structures, infrastructure, and staff facilities. It is anticipated that the two Trains would be installed in a phased manner (phased construction) or as a single phase (simultaneous construction) and may share certain facilities, but once commissioned, would be largely independent in operation. Although the Proposed Development comprises up to two Trains, the process description defined within the ES refers to one single process Train as they will be equivalent to each other.

1.4.5 The electrical connection, for the export of electricity from the CCGT Generating Station to the National Grid, is proposed via the existing 400 kilovolt (kV) NGET substation to the south-east.

1.4.6 The Proposed Development would connect into nearby CO_2 transport and storage (T&S) infrastructure as part of the HyNet Cluster, enabling the captured CO_2 to be safely transported to permanent offshore storage facilities in repurposed depleted offshore gas fields at the Point of Ayr Gas Terminal. The CO_2 would be transported into the Proposed CO_2 AGI (to be

operated by Liverpool Bay CCS Limited) which would control the entry of CO_2 into the T&S network.

1.4.7 The Proposed Development would utilise approximately 3 km of the existing natural gas pipeline from the Proposed CO_2 AGI terminating at a point south of Pentre Ffwrndan, east of Allt-Goch Lane for the transportation of CO_2 (the Repurposed CO_2 Connection Corridor). The existing pipeline would then connect into a new proposed CO_2 pipeline (the Proposed CO_2 Connection), that is around 422 metres (m) in length, to connect into Liverpool Bay CCS Limited's Flint AGI. The remaining pipeline between the Flint AGI to the Point of Ayr Gas Terminal would be repurposed under the HyNet CO_2 Pipeline Project.

1.4.8 The land for access works includes Connah's Quay North to the north-east of the existing Connah's Quay Power Station and road access to the port from the A548. It also includes land for access works along the A548 towards the Port of Mostyn to the north-west. The road accesses to these ports are included as part of the Proposed Development for the transportation of materials and equipment, including AILs, to the Proposed Development Site. No permanent works would need to be undertaken in these locations with just temporary accommodation works proposed.

1.4.9 As we become more reliant on electricity, with the electrification of sectors such as transport, heating and industry, more generation capacity will be needed. According to the UK's independent advisor on climate change, the Climate Change Committee (CCC) demand for electricity is forecast to increase by 50% by 2035[1]. To meet this increasing demand and achieve the UK's decarbonisation goals, the CCC has also advised that a range of different technologies with both renewables and decarbonised generation, such as gas with carbon capture and storage (CCS), will be needed to maintain a secure and stable supply of electricity[2].

1.4.10 This is in accordance with the aims of the Overarching National Policy Statement (NPS) for Energy (EN-1) (January 2024), which outlines that to support the urgent need for new low carbon infrastructure, natural gas fired generation, which is carbon capture ready, is considered to be critical national priority (CNP) infrastructure. In addition, the NPS for Natural Gas Electricity Generating Infrastructure (EN-2) confirms the vital role gas fired generating stations will play in providing reliable electricity supplies and a secure and diverse energy mix as the UK makes its transition towards a secure decarbonised electricity system.

1.4.11 The proposed new CCGT Generating Station with CCP at Connah's Quay would be able to flexibly and reliably generate low carbon power to meet the growing need for electricity, whenever it is required. Power stations such as this will play a crucial role in the future energy system, as they can help ensure that energy is available at times when it is needed most, and when power from renewable sources cannot meet demand.

[1] In its Balanced Pathway for the Sixth Carbon Budget (Dec 2020), the UK's Climate Change Committee (CCC) forecast a 50% increase in electricity demand by 2035 and a doubling in electricity demand by 2050 (Sixth Carbon Budget - Climate Change Committee (https://www.theccc.org.uk/wp-content/uploads/2020/12/The-Sixth-Carbon-Budget-The-UKs-path-to-Net-Zero.pdf))
[2] CCC Sixth Carbon Budget electricity generation sector summary Sector-summary-Electricity-generation.pdf (https://www.theccc.org.uk/wp-content/uploads/2020/12/Sector-summary-Electricity-generation.pdf)

1.4.12 Connah's Quay is an ideal location to establish a low carbon power station – it would connect into nearby CO_2 T&S infrastructure as part of the HyNet Cluster, and benefits from the on-hand expertise of the existing highly skilled workforce. There has also been a power station on site for over seventy years, meaning essential energy infrastructure is already in place, including an existing pipeline, which can be repurposed for the transport of captured CO_2 to the existing depleted offshore gas fields where it would be permanently stored.

1.4.13 The Proposed Development comprises the following main elements:

- **Work No. 1** – A CCGT electricity generating station of more than 350 MW with CCP and ancillary buildings and structures within the MDA. This includes:
  - up to two CCGT plants;
  - up to two CO_2 capture plants;
  - plant cooling and utilities infrastructure;
  - natural gas reception facility;
  - CO_2 interface facility;
  - administration, control room and stores;
  - demolition of existing buildings and structures including the existing GTP;
  - demolition of the existing ENI AGI; and
  - various ancillary works.
- **Work No. 2** – Infrastructure connection works, including:
  - works to connect to an existing high pressure gas supply pipeline running within the existing power station site;
  - underground and potentially overground electrical cables and control system cables to connect Work No. 1 to switch disconnectors;
  - new connections and improvements to existing water pipelines between Work No. 1 and the supply point north of Kelsterton Road and;
  - cooling water connections from Work No. 3 to Work No. 1.
- **Work No. 3** – Water supply connection works to provide cooling water to Work No.1 and discharge of used cooling water and treated process water. This Work comprises works to the existing cooling water supply pipelines between Work No. 1 and the River Dee and the existing intake structures within the River Dee between the existing concrete manifold and existing protection structure.
- **Work No. 4** – Temporary construction and laydown areas.
- **Work No. 5** – Construction of a surface water discharge.
- **Work No. 6** – Electrical connection works for the export and import of electricity, including works within the existing National Grid substation.

- **Work No. 7** – Construction of an underground CO_2 pipeline of approximately 422 m in length between Work No. 8 and the existing repurposed natural gas pipeline (to be used for CO_2).
- **Work No. 8** – Modification of an AGI at Flint to connect the CO_2 pipeline into the HyNet CO_2 Pipeline.
- **Work No. 9** – The creation and use of a temporary logistics and construction compound for use during construction.
- **Work No. 10** – Works to provide site access.
- **Work No. 11** – Temporary Accommodation works to facilitate haulage route access between the Port of Mostyn and Work No. 1., including the temporary removal of a gate and fence adjacent to the railway and subsequent reinstatement.
- **Work No. 12** – Re-establishment and use of waterborne transport offloading facilities at Connah's Quay North (known as the Corus Jetty) south of Flintshire Bridge and temporary accommodation works to facilitate haulage route on existing roads between Connah's Quay North and Work No. 1.
- **Work No. 13 –** Landscaping, biodiversity enhancement measures and boundary treatment.
- **Site Wide Works –** Further associated development comprising such other works or operations as may be necessary or expedient.

1.4.14 All the above elements of the Proposed Development are included in the Application.

1.4.15 All the elements of the Proposed Development and the related Works Nos. are set out at Schedule 1 of the **Draft DCO (EN010166/APP/3.1)**.

1.4.16 A more detailed description of the Proposed Development and how it will operate is provided at **Chapter 4: 'The Proposed Development' (EN010166/APP/6.2.4)** of the **ES**, including details of the maximum parameters. At this stage in the development, the design of the Proposed Development incorporates a necessary degree of flexibility for ongoing design development. The areas within which each of the main elements of the Proposed Development are to be built are denoted by the coloured and hatched areas on the **Works Plans (EN010166/APP/2.4)**.

1.5 The Purpose and Structure of this Document

1.5.1 The purpose of this Guide to the Application is to list the documents (the Application Documents) that make up the Application submitted to the SoS. In addition, it sets out how the Application Documents submitted comply with relevant legislative and policy requirements and guidance.

1.5.2 The Guide to the Application will be updated by the Applicant, as required, during the examination of the Application and the documents that have been superseded, in addition to any new documents, will be clearly identified.

1.5.3 The Guide to the Application has been prepared in accordance with guidance set out in the PINS Advice Note 'Preparation and submission of application documents' (2025).

1.5.4 The Application Documents are listed in **Table 2.1** of Section 2.

2. Application Documents

2.1.1 The Application Documents have been grouped into appropriate categories, taking account of the PINS Advice Note 'Preparation and submission of application documents' (2025), and each has been given its own document reference in **Table 2.1** below.

2.1.2 In addition to listing the Application Documents submitted, Table 2.1 also identifies where these have been provided to comply with relevant legislative and policy requirements and guidance. The legislative requirements for DCO applications are contained in the 2008 Act, the APFP Regulations, the Infrastructure Planning (Miscellaneous Provisions) Regulations 2024 and the EIA Regulations.

2.1.3 Regulation 5 in the APFP Regulations lists the documents that all DCO applications must include. Regulation 5 includes a category (Reg. 5(2)(q)) described as *"any other documents considered necessary to support the application"*. Similarly, Regulation 5 (Reg. 5(2)(o)) also allows applicants to submit other plans, drawings and sections which are considered necessary to describe the development. The documents, plans and drawings that have been provided by the Applicant under these categories of Regulation 5 are therefore not statutorily required but are those which it considers are necessary to explain and support the Application.

2.1.4 APFP Regulation 6 sets out a number of documents that particular types of DCO application must include. Regulation 6 in the APFP Regulations sets out the documents that, pursuant to Regulation 5(2)(p), must be provided for specific types of development. The documents prescribed for generating stations and pipelines are the APFP Regulations, The Infrastructure Planning (Miscellaneous Provisions) relevant to the Proposed Development and therefore an Electricity Grid Connection Statement and Gas Pipeline Connection Statement and Pipeline Statement have been prepared. For the avoidance of doubt, no construction or alteration of harbour facilities are proposed.

2.1.5 The Application submitted for the Proposed Development is considered to comply with the statutory requirements of the 2008 Act, the APFP Regulations and the EIA Regulations. Furthermore, the Application complies with the policy requirements under relevant NPSs and applicable SoS and other guidance.

Table 2.1: Application Documents

Application Document Reference	Application Document Name	Statutory / Other Requirement	Revision	Examination Library Reference (N/A for all)
	Application form and related information			
1.1	Application Form	2008 Act S.37(3)(b) APFP Reg. 5(1) & Schedule 2	N/A	
1.2	Application Cover Letter	APFP Reg. 5(2)(q)	N/A	
1.3	Guide to the Application (this document)	APFP Reg. 5(2)(q)	Rev.00	
1.4	Applicant's Section 55 checklist	APFP Reg. 5(2)(q)	N/A	
1.5	Electronic Application Index	APFP Reg. 5(2)(q)	N/A	
1.6	Pre-application Programme Document	APFP Reg. 5(2)(q)	N/A	
1.7	Copies of Newspaper Notices	2008 Act s.47 & 48 and EIA Reg. 13 APFP Reg. 5(2)(q)	N/A	
	Plans			
2.1	Site Location Plan	APFP Reg.5(2)(o)	Rev.00	
2.2	Land Plans	APFP Reg.5(2)(i)	Rev.00	
2.3	Crown Land Plans	APFP Reg. 5(2)(n)	Rev.00	
2.4	Works Plans	APFP Reg. 5(2)(j)	Rev.00	

Application Document Reference	Application Document Name	Statutory / Other Requirement	Revision	Examination Library Reference (N/A for all)
2.5	Parameter Plans	APFP Reg. 5(2)(o)	Rev.00	
2.6	Access, Streets, Rights of Way, and Rights of Navigation Plans	APFP Reg. 5(2)(k)	Rev.00	
2.7	Traffic Regulation Measures Plans	APFP Reg. 5(2)(k)	Rev.00	
2.8	Hedgerow Removal Plan	APFP Reg. 5(2)(l)	Rev.00	
2.9	Waterbodies in a River Basin Management Plan	APFP Reg. 5(2)(l)	Rev.00	
2.10	Statutory and Non-statutory Sites or Features of Nature Conservation and Important Habitat Plans	APFP Reg. 5(2)(l)	Rev.00	
2.11	Statutory and Non-Statutory Sites or Features of Historic Environment Plan	APFP Reg. 5(2)(m)	Rev.00	
7.9	Existing site layout drawing	APFP Reg. 5(2)(o)	Rev.00	
7.10	Existing station shared infrastructure drawing	APFP Reg. 5(2)(o)	Rev.00	
7.11	Indicative Site Layout	APFP Reg. 5(2)(o)	Rev.00	
7.12	Indicative Design - Side Wide Elevations	APFP Reg. 5(2)(o)	Rev.00	
7.13	Indicative Design - Elevations	APFP Reg. 5(2)(o)	Rev.00	

Application Document Reference	Application Document Name	Statutory / Other Requirement	Revision	Examination Library Reference (N/A for all)
7.14	Indicative Cooling Water and Waste Water Connection Plans Sheet 1 of 2	APFP Reg. 5(2)(o)	Rev.00	
7.15	Indicative Cooling Water and Waste Water Connection Plans Sheet 2 of 2	APFP Reg. 5(2)(o)	Rev.00	
7.16	Indicative Electrical Connection Plans	APFP Reg. 5(2)(o)	Rev.00	
7.17	Indicative CO_2 Above Ground Installation Plans	APFP Reg. 5(2)(o)	Rev.00	
7.18	Indicative Gas Supply Pipeline Connection Plans and Gas Above Ground Installation Plans	APFP Reg. 5(2)(o)	Rev.00	
7.19	Indicative Towns Water Connections Plan	APFP Reg. 5(2)(o)	Rev.00	
7.20	Indicative Access Design	APFP Reg. 5(2)(k)	Rev.00	
	Draft Development Consent Order			
3.1	Draft Development Consent Order	APFP Reg. 5(2)(b)	Rev.00	
3.2	Explanatory Memorandum to the Draft DCO	APFP Reg. 5(2)(c)	Rev.00	
3.3	Consents and Agreement Position Statement	APFP Reg. 5(2)(q)	Rev.00	

Application Document Reference	Application Document Name	Statutory / Other Requirement	Revision	Examination Library Reference (N/A for all)
3.4	DCO Validation Report	APFP Reg. 5(2)(q)	Rev.00	
3.5	DCO Guidance Compliance Checklist	APFP Reg. 5(2)(q)	Rev.00	
	Compulsory Acquisition Information			
4.1	Book of Reference	APFP Reg. 5(2)(d) and Reg. 7	Rev.00	
4.2	Pre-Application Land and Rights Negotiations Tracker	APFP Reg. 5(2)(q)	Rev.00	
4.3	Statement of Reasons	APFP Reg. 5(2)(h)	Rev.00	
4.4	Funding Statement	APFP Reg. 5(2)(h)	Rev.00	
	Consultation Report			
5.1	Consultation Report	Section 37(3)(c) and 37(7) 2008 Act, APFP Reg. 5(2)(q)	Rev.00	
5.2	Consultation Report Appendix A: Non Statutory Consultation	Section 37(3)(c) and 37(7) 2008 Act, APFP Reg. 5(2)(q)	Rev.00	
5.2	Consultation Report: Appendix B Statement of Community Consultation	Section 37(3)(c) and 37(7) 2008 Act, APFP Reg. 5(2)(q)	Rev.00	
5.2	Consultation Report: Appendix C Statutory Consultation	Section 37(3)(c) and 37(7) 2008 Act, APFP Reg. 5(2)(q)	Rev.00	

Application Document Reference	Application Document Name	Statutory / Other Requirement	Revision	Examination Library Reference (N/A for all)
5.2	CONFIDENTIAL Consultation Report: Appendix D Distribution Lists and Sample Letters	Section 37(3)(c) and 37(7) 2008 Act, APFP Reg. 5(2)(q)	Rev.00	
5.2	Consultation Report: Appendix E Consultation Responses	Section 37(3)(c) and 37(7) 2008 Act, APFP Reg. 5(2)(q)	Rev.00	
5.2	Consultation Report: Appendix F Compliance	Section 37(3)(c) and 37(7) 2008 Act, APFP Reg. 5(2)(q)	Rev.00	
5.2	Consultation Report: Appendix G Targeted Consultation	Section 37(3)(c) and 37(7) 2008 Act, APFP Reg. 5(2)(q)	Rev.00	
5.2	Consultation Report: Appendix H Ongoing Engagement	Section 37(3)(c) and 37(7) 2008 Act, APFP Reg. 5(2)(q)	Rev.00	
	Environmental Statement			
Volume I	**Environmental Statement: Non-Technical Summary (NTS)**	All APFP Reg. 5(2)(a) and EIA Reg. 14 unless stated		
6.1	Environmental Statement NTS		Rev.00	
Volume II	**Environmental Statement Chapters**	All APFP Reg. 5(2)(a) and EIA Reg. 14 unless stated (APFP Regs cited below are in addition)		
6.2	Glossary Abbreviations Contents		Rev.00	
6.2.1	Chapter 1: Introduction		Rev.00	

Application Document Reference	Application Document Name	Statutory / Other Requirement	Revision	Examination Library Reference (N/A for all)
6.2.2	Chapter 2: Assessment Methodology		Rev.00	
6.2.3	Chapter 3: Location of the Proposed Development		Rev.00	
6.2.4	Chapter 4: The Proposed Development		Rev.00	
6.2.5	Chapter 5: Construction Management and Programme		Rev.00	
6.2.6	Chapter 6: Project Alternatives		Rev.00	
6.2.7	Chapter 7: Planning Policy		Rev.00	
6.2.8	Chapter 8: Air Quality		Rev.00	
6.2.9	Chapter 9: Noise and Vibration		Rev.00	
6.2.10	Chapter 10: Traffic and Transport		Rev.00	
6.2.11	Chapter 11: Terrestrial and Aquatic Ecology	APFP Reg. 5(2)(l)	Rev.00	
6.2.12	Chapter 12: Marine Ecology	APFP Reg. 5(2)(l)	Rev.00	
6.2.13	Chapter 13: Water Environment and Flood Risk	APFP Reg. 5(2)(e)	Rev.00	
6.2.14	Chapter 14: Geology and Ground Conditions	APFP Reg. 5(2)(l)	Rev.00	

Application Document Reference	Application Document Name	Statutory / Other Requirement	Revision	Examination Library Reference (N/A for all)
6.2.15	Chapter 15: Landscape and Visual Amenity	APFP Reg. 5(2)(l)	Rev.00	
6.2.16	Chapter 16: Physical Processes		Rev.00	
6.2.17	Chapter 17: Terrestrial Heritage	APFP Reg. 5(2)(m)	Rev.00	
6.2.18	Chapter 18: Marine Heritage	APFP Reg. 5(2)(m)	Rev.00	
6.2.19	Chapter 19: Socio-Economics, Recreation and Tourism		Rev.00	
6.2.20	Chapter 20: Climate Change		Rev.00	
6.2.21	Chapter 21: Human Health		Rev.00	
6.2.22	Chapter 22: Major Accidents and Disasters		Rev.00	
6.2.23	Chapter 23: Materials and Waste		Rev.00	
6.2.24	Chapter 24: Cumulative and Combined Effects		Rev.00	
6.2.25	Chapter 25: Summary of Likely Significant Effects		Rev.00	
Volume III	**Environmental Statement Figures**	All APFP Reg. 5(2)(a) & (o) and EIA Reg. 14 unless stated (APFP Regs cited below are in addition)		
6.3	Figure 1-1: Location of the Connah's Quay Low Carbon		Rev.00	

Application Document Reference	Application Document Name	Statutory / Other Requirement	Revision	Examination Library Reference (N/A for all)
	Power Abated Generating Station			
6.3	Figure 1-2: Site Location Plan		Rev.00	
6.3	Figure 1-3: Proposed Development Interface with HyNet CO_2 Pipeline Project		Rev.00	
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6.3	Figure 10-1: Local Highway Network		Rev.00	
6.3	Figure 11-1: Statutory Designated Sites within 15km of the Proposed Development	APFP Reg. 5(2)(l)	Rev.00	
6.3	Figure 11-2: Local Designated Sites within 2km of the Proposed Development	APFP Reg. 5(2)(l)	Rev.00	
6.3	Figure 11.3: Ancient woodland and priority habitat within 2km of the Proposed Development	APFP Reg. 5(2)(l)	Rev.00	
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6.3	Figure 13-1: Surface Water Features	APFP Reg. 5(2)(e)	Rev.00	
6.3	Figure 13-2: Superficial Geology	APFP Reg. 5(2)(l)	Rev.00	
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6.3	Figure 13.8: Surface Water Flood Risk	APFP Reg. 5(2)(e)	Rev.00	
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6.3	Figure 15-7: Zone of Theoretical Visibility - 65 m Main Site Structures (excluding absorber and HRSG)		Rev.00	

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6.3	Figure 17-3: Terrestrial Non-designated Heritage Assets	APFP Reg. 5(2)(m)	Rev.00	

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6.3	Figure 18-2: Marine Heritage Assets	APFP Reg. 5(2)(m)	Rev.00	
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6.4	11-C: Botanical Technical Appendix REDACTED	APFP Reg. 5(2)(l)	Rev.00	
6.4	11-D: Ornithology Technical Appendix REDACTED	APFP Reg. 5(2)(l)	Rev.00	
6.4	11-E: Great Crested Newt Technical Appendix	APFP Reg. 5(2)(l)	Rev.00	
6.4	11-F: Reptile Desk Study	APFP Reg. 5(2)(l)	Rev.00	
6.4	11-G: Bat Technical Appendix	APFP Reg. 5(2)(l)	Rev.00	
6.4	11-I: Water Vole Technical Appendix REDACTED	APFP Reg. 5(2)(l)	Rev.00	
6.4	11-K: Terrestrial Invertebrate Technical Appendix	APFP Reg. 5(2)(l)	Rev.00	
6.4	11-L: Aquatic Ecology Technical Appendix	APFP Reg. 5(2)(l)	Rev.00	
6.4	12-A: Marine Ecology Assessment Methodology	APFP Reg. 5(2)(l)	Rev.00	
6.4	12-B: Relevant Designated Sites	APFP Reg. 5(2)(l)	Rev.00	
6.4	12-C: Marine Ecology Plates	APFP Reg. 5(2)(l)	Rev.00	
6.4	12-D: Intertidal Survey Report	APFP Reg. 5(2)(l)	Rev.00	

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6.4	12-E: Marine Biosecurity Risk Assessment	APFP Reg. 5(2)(l)	Rev.00	
6.4	12-F: Marine Invasive Non-Native Species Outline Management Plan	APFP Reg. 5(2)(l)	Rev.00	
6.4	13-A: Water Environment Baseline Survey and Methodology Report		Rev.00	
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6.4	13-C: Flood Consequences Assessment	APFP Reg. 5(2)(e)	Rev.00	
6.4	13-D: Outline Surface Water Drainage Strategy	APFP Reg. 5(2)(e)	Rev.00	
6.4	13-E: Hydrogeological Assessment		Rev.00	
6.4	13-F: Hydraulic Modelling Report		Rev.00	
6.4	14-A: Geo-Environmental Desk Based Assessment	APFP Reg. 5(2)(l)	Rev.00	
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6.4	15-B: Landscape Character	APFP Reg. 5(2)(l)	Rev.00	
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6.4	15-F: Colour Analysis		Rev.00	
6.4	15-G: Arboriculture Impact Assessment	APFP Reg. 5(2)(l)	Rev.00	

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6.4	17-A: Terrestrial Heritage Desk Based Assessment	APFP Reg. 5(2)(m)	Rev.00	
6.4	17-B: Gazetteer of Terrestrial Heritage Assets	APFP Reg. 5(2)(m)	Rev.00	
6.4	17-C: Geophysical Survey Report	APFP Reg. 5(2)(m)	Rev.00	
6.4	18-A: Marine Heritage Desk-Based Assessment	APFP Reg. 5(2)(m)	Rev.00	
6.4	19-A: List of Community Facilities Baseline Assessment		Rev.00	
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6.4	19-C: Impact Assessment Methodology - Socio-Economics, Recreation and Tourism		Rev.00	
6.4	20-A: Greenhouse Gas Baseline Data and Methodology Report		Rev.00	
6.4	20-B: Climate Change Resilience Baseline Data and Methodology Report		Rev.00	
6.4	20-C: Climate Change Resilience Assessment		Rev.00	

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6.4	20-D: In-combination Climate Change Assessment		Rev.00	
6.4	20-E: Greenhouse Gas Reduction Strategy		Rev.00	
6.4	20-F: Cumulative In-combination Climate Change Assessment		Rev.00	
6.4	22A: Long List of Major Accidents & Disasters Risk Events		Rev.00	
6.4	23-A: Materials and Waste Baseline Data Report		Rev.00	
6.4	24-A: Long List of Proposed Schemes		Rev.00	
6.4	24-B: Short List of Proposed Schemes		Rev.00	
6.5	Framework Construction Environmental Management Plan (CEMP) including Framework Site Waste Management Plan (SWMP)	APFP Regs. 5(2)(q)	Rev.00	
6.6	Framework Construction Traffic Management Plan (CTMP) (Appendices – AIL Feasibility Report)	APFP Regs. 5(2)(q)	Rev.00	

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6.7	Framework Construction Workers Travel Plan (CWTP)	APFP Regs. 5(2)(q)	Rev.00	
6.8	Overarching Written Scheme of Investigation for Terrestrial and Marine Heritage Mitigation	APFP Regs. 5(2)(q)	Rev.00	
6.9	Outline Landscape and Ecological Management Plan	APFP Regs. 5(2)(q)	Rev.00	
6.10	Commitments Register	APFP Regs. 5(2)(q)	Rev.00	
6.11	Green Infrastructure Statement	APFP Regs. 5(2)(q)	Rev.00	
6.12	Report to Inform Habitats Regulations Assessment	APFP Reg 5(2)(g)	Rev.00	
6.13	Curlew Mitigation Strategy	APFP Regs. 5(2)(q)	Rev.00	
6.14	Off-site Net Benefit for Biodiversity and Green Infrastructure Strategy	APFP Regs. 5(2)(q)	Rev.00	
6.15	Navigational Risk Assessment	APFP Regs. 5(2)(q)	Rev.00	
	Confidential			
6.4	ES Appendix 11-C CONFIDENTIAL (Botanical Technical Appendix)	APFP Regs. 5(2)(l)	Rev.00	

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6.4	ES Appendix 11-D CONFIDENTIAL (Ornithology Technical Appendix)	APFP Regs. 5(2)(l)	Rev.00	
6.4	ES Appendix 11H CONFIDENTIAL Badger Technical Appendix Rev 00	APFP Regs. 5(2)(l)	Rev.00	
6.4	ES Appendix 11I CONFIDENTIAL Water Vole Technical Appendix Rev 00	APFP Regs. 5(2)(l)	Rev.00	
6.4	ES Appendix 11J CONFIDENTIAL Otter Technical Appendix Rev 00	APFP Regs. 5(2)(l)	Rev.00	
	Additional Regulation 6 Information			
7.2	Electricity Grid Connection Statement	APFP Reg. 5(2)(p) and Reg. 6(1)(a)(i)	Rev.00	
7.3	Gas Connection Statement	APFP Reg. 5(2)(p) and Reg. 6(1)(a)(ii)	Rev.00	
	Reports			
7.1	Statutory Nuisance Statement	APFP Reg. 5(2)(f) Environmental Protection Act 1990 s79	Rev.00	
7.4	Carbon Capture Readiness Report	APFP Regs. 5(2)(q)	Rev.00	

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7.5	Combined Heat and Power (CHP) Readiness Assessment	APFP Regs. 5(2)(q)	Rev.00	
7.6	Planning Statement	APFP Reg. 5(2)(q)	Rev.00	
7.7	Design Approach Document (DAD)	APFP Reg. 5(2)(q)	Rev.00	
7.8	Design Principles Document (DPD)	APFP Reg. 5(2)(q)	Rev.00	
7.21	Welsh Language Impact Statement	APFP Regs. 5(2)(q)	Rev.00	
7.22	Lighting Strategy	APFP Regs. 5(2)(q)	Rev.00	
7.23	Potential Main Issues for Examination Report (PMIE)	APFP Reg. 5(2)(q)	Rev.00	
	Statements of Common Ground (SoCGs)			
8.1	Draft Flintshire County Council (FCC) SoCG	APFP Regs. 5(2)(q)	Rev.00	
8.2	Draft Natural Resources Wales (NRW) SoCG	APFP Regs. 5(2)(q)	Rev.00	
8.3	Draft Cadw SoCG	APFP Regs. 5(2)(q)	Rev.00	
8.4	Draft RSPB SoCG	APFP Regs. 5(2)(q)	Rev.00	
8.5	Draft Deeside Naturalist Society SoCG	APFP Regs. 5(2)(q)	Rev.00	
8.6	Draft Network Rail SoCG	APFP Regs. 5(2)(q)	Rev.00	

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8.7	Draft National Grid Electricity Transmission SoCG	APFP Regs. 5(2)(q)	Rev.00	
8.8	Draft Scottish Power SoCG	APFP Regs. 5(2)(q)	Rev.00	
8.9	Draft National Gas Transmission SoCG	APFP Regs. 5(2)(q)	Rev.00	
8.10	Draft ENI SoCG	APFP Regs. 5(2)(q)	Rev.00	
8.11	Draft Dee Conservancy SoCG	APFP Regs. 5(2)(q)	Rev.00	
8.12	Draft Port of Mostyn SoCG	APFP Regs. 5(2)(q)	Rev.00	
8.13	Draft Liverpool Bay CCS Limited SoCG	APFP Regs. 5(2)(q)	Rev.00	
8.14	Draft GTC Infrastructure Limited SoCG	APFP Regs. 5(2)(q)	Rev.00	

Abbreviations

Abbreviation	Description
2008 Act	Planning Act 2008
AGIs	Above Ground Installations - typically installed at intervals along the pipeline, or at connection points between pipelines, or between pipelines and end user installations. These provide points for access, connection and monitoring to support maintenance and the safe operation of the pipelines.
AIL	Abnormal Indivisible Loads - a load which cannot be split into multiple smaller loads, typically due to the risk of damage or excess cost of such a split.
APFP Regulations	The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 (as amended).
Applicant	Uniper UK Limited
CCC	Climate Change Committee - an independent, statutory body established under the Climate Change Act 2008. Under the Climate Change Act 2008, the Committee is required to produce statutory reports to Government and Parliament.
CCGT	Combined Cycle Gas Turbine - a highly efficient form of energy generation technology. An assembly of heat engines work in tandem using the same source of heat to convert it into mechanical energy which drives electrical generators and consequently generates electricity.
CCP	Carbon Capture Plant - plant used to capture CO_2 emissions produced from the use of fossil fuels in electricity generation and industrial processes.
CCS	Carbon capture and storage - a process of CO_2 emissions from industrial processes or power plants using various methods to chemically remove CO_2, compresses it into a liquid, and transports it to underground storage sites. This process mitigates the release of atmospheric CO_2 emissions, helping mitigate climate change.
C&IEA	Construction and Indicative Enhancement Area - an area of vacant land under Applicant ownership south-east of the MDA which may be used for biodiversity mitigation and / or enhancement following use for construction.
CEMP	Framework Construction Environmental Management Plan - a plan to outline how a construction project will avoid, minimise or mitigate effects on the environment and surrounding area. A CEMP sets out responsibilities in regard to compliance with legislation and to implement any mitigation measures.
CNP	Critical national priority (CNP) infrastructure – nationally significant low carbon infrastructure.
CO_2	Carbon dioxide - an inorganic chemical compound with a wide range of commercial uses.

Abbreviation	Description
CQLCP	Connah's Quay Low Carbon Power
CTMP	Framework Construction Traffic Management Plan - a plan to outline how a construction project will avoid, minimise or mitigate effects on traffic and the highway network.
CWTP	Framework Construction Workers' Travel Plan - a plan to manage and promote sustainable travel for construction workers.
DCO	A Development Consent Order made by the relevant Secretary of State pursuant to the Planning Act 2008 to authorise a Nationally Significant Infrastructure Project. A DCO can incorporate or remove the need for a range of consents which would otherwise be required for a development. A DCO can also include rights of compulsory acquisition.
DESNZ	Department for Energy Security and Net Zero.
ES	Environmental Statement - a report in which the process and results of an Environment Impact Assessment are documented.
FCC	Flintshire County Council - the Local Planning Authority for the Proposed Development Site.
GTP	Gas Treatment Plant - the existing facility previously used for treatment of incoming gas, which is defunct as of 2023. To be demolished in advance of Proposed Development.
ha	Hectares - a metric unit of measurement for area. There are 10,000 square metres in a hectare. One hectare is equal to 2.471 acres.
HV	High voltage - typically any voltage above 1 kilovolt (kV) for alternating current systems and 1.5 kV for direct current systems.
km	Kilometres - a metric unit of measurement for distance, equal to 1,000 metres
kV	Kilovolt - a unit of electrical potential. There are 1,000 volts in a kilovolt.
MDA	Main Development Area - The area of the Proposed Development Site containing the majority of permanent development, including the Combined Cycle Gas Turbine Generating Plant, Post-Combustion Carbon Capture Plant and Associated Stacks, and supporting development such as administrative facilities, stores, and above-ground installations for the management of CO_2 export (among other supporting development), in addition to areas of temporary construction laydown, access roads, and utilities interfaces.
MW or MWe	Megawatts - referred to as MWe for electrical input – a unit of electrical power, equal to one million watts.
NGET	National Grid Electricity Transmission
NGT	National Gas Transmission

Abbreviation	Description
NPS	National Policy Statement for Energy - a statement produced by Government under the Planning Act 2008 providing the policy framework for Nationally Significant Infrastructure Projects and Projects of National Significance. They include the Government's view of the need for and objectives for the development of Nationally Significant Infrastructure Projects and Projects of National Significance in a particular sectors such as energy and are used to determine applications for such development.
NSIP	Nationally Significant Infrastructure Project – defined by the Planning Act 2008 and covering projects relating to energy (including generating stations, electric lines and pipelines); transport (including trunk roads and motorways, airports, harbour facilities, railways and rail freight interchanges); water (dams and reservoirs, and the transfer of water resources); waste water treatment plants and hazardous waste facilities. These projects are only defined as nationally significant if they satisfy a statutory threshold in terms of their scale or effect.
NTS	Non-Technical Summary
the Order	The Connah's Quay Low Carbon Power Order - the name of the DCO being sought for the Proposed Development.
Order limits	The proposed Site - the boundary that includes all aspects of the Proposed Development including the CCGT and CCS site, the laydown areas, Repurposed CO_2 Connection Corridor, Proposed CO_2 Connection Corridor; Electrical Connection Corridor; Water Connection Corridor; and Construction and Indicative Enhancement Area, as well as the Accommodation Works Areas to facilitate the transport of AIL during construction.
Proposed Development	The Connah's Quay Low Carbon Power (CQLCP) project - the works to be undertaken as part of the Connah's Quay Low Carbon Power project. This will be defined in the first paragraph of the Introduction chapter but should thereafter be referred to as the 'Proposed Development'.
PINS	Planning Inspectorate - an executive agency of the Ministry of Housing, Communities & Local Government responsible for administering DCO applications on behalf of the relevant Secretary of State.
the Proposed Development Site	the Order Limits
SoCG	Statement of Common Ground - is a document prepared by applicants to outline points of agreement between relevant parties regarding a proposed application.
SoS	Secretary of State – the decision maker for DCO applications and head of a UK Government department.
SWMP	Site Waste Management Plan - a plan to outline how waste will be managed during a construction project.
T&S	transport and storage

Abbreviation	Description
UK	United Kingdom
Uniper	Uniper SE - the Applicant
Work No.	Work Number - numbering for each element of the Proposed Development. All of the elements of the Proposed Development and the related Works Nos. are set out at Schedule 1 of the Draft Development Consent Order.