

Byers Gill Solar EN010139

7.7 Statutory Undertakers Position Statement

Planning Act 2008

APFP Regulation 5(2)(h)

Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

Deadline 5 – November 2024

Revision 4



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1. Introduction

1.1. Purpose of this document

1.1.1. This purpose of this document is to set out the current position of engagement between RWE (the Applicant) and statutory undertakers that have assets or interests that would potentially be affected by Byers Gill Solar (the Proposed Development), as identified by the Book of Reference [AS-017]. This document will be updated during Examination of the Development Consent Order (DCO) application, particularly to track the parties' negotiation of protective provisions and related agreements, as relevant.

- 1.1.2. This document is a revision to the Statutory Undertaker Position Statement [APP-170] submitted with the DCO application. In summary, these updates are:
 - to reflect the Applicant's engagement with several additional statutory undertakers following submission of the application which are identified in the Book of Reference [AS-017] as having assets or interests potentially affected by the Proposed Development.
 - to make minor formatting amendments to avoid the duplication of the Applicant's reporting in respect of each Statutory Undertaker; and
 - to introduce traffic light reporting to indicate the progress of engagement with each statutory undertaker.
- 1.1.3. In respect of each relevant statutory undertaker, Table 2-1 of this document summarises the asset / interaction type, the location and relevance of the interaction to the Proposed Development, and the status of negotiations between the parties.
- 1.1.4. Appendix 1 (Asset Description Table) of this document provides a detailed description of each relevant asset interaction referred to in Table 2-1.
- 1.1.5. The Applicant's engagement with statutory undertakers follows the Applicant's preapplication statutory consultation as set out in the Consultation Report [APP-017]. This included notifying all relevant statutory undertakers and persons with an interest in the land under Section 42(a) and Section 42(d) of the Planning Act 2008 respectively. The Applicant sought to engage with statutory undertakers in response to feedback received to that consultation. Additionally, throughout the development of the Proposed Development prior to DCO application, the Applicant sought to engage with statutory undertakers identified through diligent inquiry as land interests. The activities undertaken as part of diligent inquiry are reported in the Statement of Reasons [APP-014].
- 1.1.6. The approach taken by the Applicant to existing statutory undertaker apparatus is to avoid any conflict between the Proposed Development and that existing apparatus. The effect of that approach is that there is not presently expected to be any requirement to divert existing statutory undertaker apparatus as part of the Proposed Development. Powers are included within the draft DCO [APP-012] which would

enable the Applicant to carry out diversions where required, but it is not currently expected that those powers will need to be relied on.

2. Summary of current position with statutory undertakers

- 2.1.1. Table 2-1 provides a summary of the position between the Applicant and each relevant statutory undertaker in relation to each individual asset affected.
- 2.1.2. The table includes traffic light model to indicate the progress of engagement between each statutory undertaker and the Applicant:
 - **Green** There are no outstanding issues in dispute between the parties.
 - Amber There are outstanding issues between the parties and engagement is ongoing.
 - Red There are outstanding issues between the parties and engagement is not ongoing.

Table 2-1 Statutory undertaker position schedule

Statutory undertaker (SU)	Asset/ Crossing Type	Location and Relevance to Proposed Development	Status
Arqiva Limited	n/a	The Book of Reference [AS-017] identifies Arqiva Limited to have a Category 2 interest in respect of access rights contained in a lease dated 22 February 2016 on title number DU48726.	The Applicant's inquiries do not indicate that the Proposed Development will interact with assets owned by Arqiva and for this reason the Applicant has not engaged directly with Arqiva.
		The Applicant's utilities searches did not identify any Arqiva apparatus within the Order limits.	Protective provisions for operators of electronic communications code networks are included in Part 2 of Schedule 11 to the draft DCO (dDCO) [APP-012].
			Arqiva has not submitted a representation to the Examination and the Applicant understands that Arqiva does not object to the terms of the dDCO [APP-012].
British Telecommunications PLC	Telecoms cables	Located in or nearby Redmarshall Road, Kirk Hill and Letch Lane, within or nearby which the Proposed Development's 132kV cabling will be laid.	Engagement between the parties' technical teams commenced in March 2024 to confirm the interaction of the Proposed Development with BT's existing assets and BT's requirements in respect of asset crossings.
		Minimal disruption to BT's asset is expected because it is located in a public highway.	Protective provisions for operators of electronic communications code networks are included in Part 2 of Schedule 11 to the dDCO [APP-012].
		Appendix 1 Asset ID: BT_001	BT has not submitted a representation to the Examination and the Applicant understands that BT does not object to the terms of the dDCO [APP-012].
		Located in or nearby the private access track running south from Lodge Lane which will be used for the Proposed Development.	
		The access track for the Proposed Development will cross BT's asset at one point.	
		Appendix 1 Asset ID: BT_002	
Environment Agency	Land interests	The Book of Reference [AS-017] identifies that the EA has: • a cautionary interest in plot 4/3, over which the Applicant seeks compulsory acquisition of new rights;	The Applicant initially engaged with the EA in March 2023 to identify the interaction of the EA's land interests with the Proposed Development.
		 maintenance rights in respect of Bishopton Beck over plot 9/11, which is not subject to compulsory acquisition; and maintenance rights in respect of Bishopton Beck over plot 11/6, over which the Applicant seeks compulsory acquisition 	The Applicant understands from the EA's relevant representation [RR-168] that the EA does not have any concerns about the compulsory acquisition powers included in the dDCO [APP-012] in respect of these plots (as distinct from the other concerns raised by the EA).
		of new rights.	The Applicant's legal advisors contacted the EA in August 2024 to seek confirmation of the EA's position . Following the EA's response to ExQ1 CA.1.4, the Applicant's legal advisors contacted the EA in September,
		The Applicant does not consider that the new rights sought over plots 4/3 and 11/6 will interfere with the EA's interests.	October and November 2024 to clarify the EA's position. The Applicant awaits a response but, as stated above, understands that the EA does not have any concerns about its land interests
GTC Pipelines Ltd	Low pressure (LP) gas pipeline	Located in Carlton village, the gas pipeline crosses the proposed 132kV cable route.	GTC confirmed in February 2024 that no GTC consent would be required for the asset crossing, providing that the Applicant adheres to safe digging practices including Health and Safety Guidance 47 (Avoiding danger from underground services) and National Joint Utilities Group (NJUG) Guidelines.
		Appendix 1 Asset ID: GTC_001	

Statutory undertaker (SU)	Asset/ Crossing Type	Location and Relevance to Proposed Development	Status
Hartlepool Water Company (Anglian Water Group Limited)	Drainage and water mains	Located at Panel Area D. Pipeline runs south-west/north-east through Panel Area D and will be crossed by fencelines for the Proposed Development at 6 points. The current plans include solar panels either side of the pipeline which have been designed with a 2.8m easement. Minimum clearance requirements are expected to be agreed with Anglian Water. Appendix 1 Asset ID: HWC_001	During the Applicant's engagement with Northumbrian Water, Northumbrian Water confirmed in March 2024 that this asset is a private service main leading to Elstob Hill Farm and is owned by Hartlepool Water Company (Anglian Water Group). Engagement between the technical teams for the Applicant and Anglian Water commenced in March 2024 to confirm the interaction of the Proposed Development with Anglian Water's existing asset and Anglian Water's requirements in respect of crossings and easements. Anglian Water confirmed in April 2024 its requirements for the pipeline easement width and any associated agreements. Protective provisions for water and sewerage undertakers are included in Part 1 of Schedule 11 to the dDCO [APP-012]. Anglian Water has not submitted a representation to the Examination and the Applicant understands that
			Anglian Water does not object to the terms of the dDCO [APP-012].
INEOS Manufacturing (Hull) Limited / INEOS 2010 Limited / SABIC	Ethylene Gas Pipeline	Located on Letch Lane on the approach to Norton Substation from the west. The ethylene pipeline runs north to south perpendicular to the road which the 132kV connection cable is expected to cross. Appendix 1 Asset ID: I/S_001	INEOS / SABIC confirmed in March 2024 that it has no concerns with the proposed asset crossing. The Applicant will undertaker site investigations works following the grant of development consent to inform detailed design of the pipeline crossing to be coordinated with INEOS / SABIC and in accordance with their conditions and restrictions. This will be managed through an agreement between the Applicant and INEOS / SABIC. Protective provisions for gas undertakers are included in Part 1 of Schedule 11 to the dDCO [APP-012]. INEOS / SABIC have not submitted a representation to the Examination and the Applicant understands that
			INEOS / SABIC do not object to the terms of the dDCO [APP-012].
National Gas Transmission Plc	High pressure (HP) gas pipeline Low pressure (LP) gas pipeline	Located in Panel Area A to the north of High House Lane. The pipeline runs through proposed panel area, which includes buffers to avoid the area of the pipeline. The gas pipeline has an easement of 12m (6m either side of the pipeline). The easement is to be maintained with the perimeter fence line and PV modules to remain outside of this area, as has been considered in the design. Road crossings will also be required. Appendix 1 Asset: ID NGG_001 Located in Panel Area E. PV modules and fencing are to be placed outside of the pipeline easement as has been considered in the design. There will be one permanent road crossing to be agreed to access inverter stations. Cabling assumed to follow same crossing point. Minimum clearances required by NGT are to be maintained.	The Applicant requested further information from the asset protection team on NGT's requirements. NGT submitted a relevant representation [RR-174] in respect of NGT's land, assets and undertaking and requested protective provisions to be included in the dDCO [APP-012]. Engagement between the parties' legal advisors commenced in March 2024 and is ongoing to negotiate bespoke protective provisions for NGT together with any side agreement. The Applicant provided comments on a draft set of bespoke protective provisions to NGT in October 2024. NGT provided return comments on the draft protective provisions shortly before Deadline 5, which the Applicant is reviewing and will provide a response shortly after Deadline 5. Protective provisions for gas undertakers are included in Part 1 of Schedule 11 to the dDCO [APP-012].
		Appendix 1 Asset ID: NGG_002	
National Grid Electricity Transmission PLC	400kV overhead line	NGET's 400kV overhead transmission lines run north-south from Norton Substation over Letch Lane, beneath which the 132kV cabling for the Proposed Development will be laid.	Engagement between the parties' technical teams commenced in January 2024 to confirm the interaction of the Proposed Development and NGET's existing assets and NGET's requirements in respect of asset crossings. At a meeting between the parties in January 2024, NGET confirmed that it has no objection to the cable route
		Appendix 1 Asset ID: NGET_001	crossing beneath NGET's 400kV overhead lines.

Statutory undertaker (SU)	Asset/ Crossing Type	Location and Relevance to Proposed Development	Status
			NGET submitted a relevant representation [RR-372] in respect of NGET's land, assets and undertaking and requested protective provisions to be included in the dDCO [APP-012]. NGET submitted a further written representation [REP2-054] at Deadline 2. Engagement between the parties' legal advisors commenced in January 2024 and is ongoing to negotiate bespoke protective provisions together with associated agreements. The Applicant provided comments on a draft set of bespoke protective provisions to NGET in October 2024.
Neos Networks Limited	Telecoms cable	Neos' telecoms cable runs in a shared GEO duct running approximately north-south through the Order limits crossing Lime Lane and Salters Lane before running east to meet Bishopton Lane running south. There will be multiple crossings with the Proposed Development.	Protective provisions for electricity undertakers are included in Part 1 of Schedule 11 to the dDCO [APP-012]. Engagement between the parties' technical teams commenced in March 2024 to confirm the interaction of the Proposed Development and Neos' existing assets and Neos' requirements in respect of asset crossings. Neos confirmed in March 2024 that, providing the Applicant follows safe-dig procedures, no further permission or supervision for the works is required by Neos. Protective provisions for operators of electronic communications code networks are included in Part 2 of Schedule 11 to the dDCO [APP-012]. Neos has not submitted a representation to the Examination and the Applicant understands that Neos does not object to the terms of the dDCO [APP-012].
Network Rail Infrastructure Limited	Railway Bridge	Located at Norton Substation. Interaction with disused railway branch line. Appendix 1 Asset ID: NR_001	Engagement between the parties' legal and technical advisors commenced in February 2024. Network Rail submitted a Relevant Representation [RR-374] expressing concerns in relation to the potential impact of construction traffic on 6 bridges owned by Network Rail. Network Rail confirmed no-objection to the acquisition of new rights over plots 13/16 and 13/17 as these plots relate to a disused railway (the former Stockton to Shotton line), now in third party ownership. Network Rail further clarified to the Applicant in July 2024 that it has no objection to the compulsory acquisition powers proposed in respect of plots 13/16 and 13/17. Network Rail submitted a response to ExQ1 GCT.1.9 [REP2-055] and a Written Representation [REP2-056] at Deadline 2 which confirmed that Network Rail no longer has an objection to the proposed routes set out in the Outline CTMP, subject to three requests. In response to these requests, at Deadline 4 the Applicant has included updates to the Outline CTMP and Outline DEMP, via the Environmental Statement Errata and Management Plans Proposed Updates document (Document Reference 8.11, Revision 2), to engage with Network Rail on the development of the final DEMP and CTMP. At Deadline 5, the Applicant submitted updated versions of the Outline CTMP and Outline DEMP which in its view are capable of addressing Network Rail's concerns in a proportionate manner. Engagement between the parties is ongoing in relation to these provisions.
Northern Gas Networks Limited	Intermediate pressure gas pipeline	Located at Panel Area A. The 33kV cable crosses over at three separate locations. Temporary road crossings and potentially one permanent road crossing expected based on inverter / road layouts. Appendix 1 Asset ID: NGN_001	The Applicant has agreed to a 50ft (15m) buffer along pipeline to be maintained for the benefit of NGN. At the detailed design stage post-consent, the Applicant will provide NGN with further details to agree crossing points for the 33kV cable. Engagement between the parties' legal advisors commenced in March 2024 and is ongoing to negotiate an Asset Protection Agreement. The Applicant will return comments to NGN on the draft APA at or shortly following Deadline 5.

Statutory	Asset/ Crossing Type	Location and Relevance to Proposed Development	Status
undertaker (SU)			Protective previous for the control of the control
			Protective provisions for gas undertakers are included in Part 2 of Schedule 11 to the dDCO [APP-012].
			NGN has not submitted a representation to the Examination.
Northern Power	Overhead Line (OHL)	Located at Panel Area A.	The Applicant provided further information to NPG to inform land enquiry. Required clearances are to be
Grid			confirmed to verify that the design complies with minimum distances.
		4 fencelines cross under powerlines. 1 33kV cable passes underneath.	NIDC or Constitution 1 2024 days III and a state of a state NIDC or on the Little days I at the state of a sta
		PV Modules designed beneath the OHL.	NPG confirmed in March 2024 that all works in the vicinity of existing NPG assets should be done having regard to HSE Guidance.
		Appendix 1 Asset ID: NPG_001	to Fise Guidance.
	OHL	Located at Panel Area A.	NPG submitted a relevant representation [RR-536] in respect of NGT's land, assets and undertaking and
			requested protective provisions to be included in the dDCO [APP-012].
		Multiple fencelines and 2 33kV cables will cross. PV modules designed	
		under the OHL. Required clearances to be confirmed to verify design	Engagement between the parties' legal advisors commenced in May 2024 and is ongoing to negotiate bespoke
		complies with minimum distances.	protective provisions and an asset protective agreement. NPG provided first drafts for review by the Applicant on 8 August 2024 and the Applicant will return comments to NPG at or shortly following Deadline 5.
		Appendix 1 Asset ID: NPG_002	on 8 August 2024 and the Applicant will return comments to NPG at or shortly following Deadline 5.
	OHL	Located at Panel Area A.	Protective provisions for electricity undertakers are included in Part 1 of Schedule 11 to the dDCO [APP-012].
		Multiple fences and a 33kV cable will cross. PV modules designed	
		under the OHL. Required clearances to be confirmed to verify design	
		complies with minimum distances.	
		Appendix 1 Asset ID: NPG_003	
	OHL	Located at Panel Area B.	-
		Multiple fence crossings only. Minimum separation distances from	
		infrastructure to be clarified and confirmed in the design.	
		Appendix 1 Asset ID: NPG_004	
	OHL	Located at Panel Area B.	-
	01.12	20 cated at 1 and 7 a oa 2.	
		Two fence crossings only. Minimum separation distances from	
		infrastructure to be clarified and confirmed in the design.	
		A 15 4 A 15 NDC 005	
	OHL	Appendix 1 Asset ID: NPG_005 Located at Panel Area C.	-
	OTIL	Located at 1 and Area C.	
		Two fence crossings only. Minimum separation distances from	
		infrastructure to be clarified and confirmed in the design.	
		Appendix 1 Asset ID: NPG_006	-
	OHL	Located at Panel Area D.	
		No infrastructure proposed under the OHL (except fences).	
		Positioning of inverter stations to be considered in relation to	
		minimum separation distances and construction activities in the	
		vicinity.	
		Appendix 1 Appet ID: NIPC 007	
		Appendix 1 Asset ID: NPG_007	

Statutory undertaker (SU)	Asset/ Crossing Type	Location and Relevance to Proposed Development	Status
arrect tarter (50)	OHL	Located at Panel Area E.	
		Two 33kV crossings. PV boundary fencing to be placed outside any	
		easement or maintain minimum clearances.	
		Appendix 1 Asset ID: NPG_008	
	OHL	Located at Panel Area F.	
		33kV and road to pass underneath the OHL.	
		Appendix 1 Asset ID: NPG_009	
Northumbrian	Drainage pipe & water mains	Located at Panel Area B.	The Applicant's legal advisors contacted Northumbrian Water in March 2024 to confirm that protective
Water Limited			provisions for electricity, gas, water and sewerage undertakers are included in the dDCO and that the Applicant
		Drainage pipe is expected to be outside the redline boundary so	is committed to entering necessary agreements in respect of crossing points between Northumbrian Water's
		crossings are unlikely. Minimum clearance requirements to be confirmed, it is expected these can be agreed with Northumbrian	existing apparatus and the Proposed Development.
		Water.	The parties' technical teams have had separate engagement, including to hold two meetings in January and March
		1,450.1	2024 to discuss the interaction of the Proposed Development with Northumbrian Water's assets.
		Appendix 1 Asset ID: NW_001	Northumbrian Water confirmed that NWL have no objection to the Proposed Development with the proviso
	Drainage pipe	Located at Panel Area D.	that a cathodic protections specialist must assess any at-risk crossings before formal crossing agreements can be
			actioned. The Applicant's technical team confirmed in May 2024 that the appropriate risk assessments will be
		Close to redline boundary so buffers to be considered for placement	carried out at the detailed design stage and that protective provisions are included in the dDCO [APP-012].
		of perimeter fencing. The pipe continues south-east and 33kV cable	NIMI - I - Maria - I - Maria -
		route may interact at this location. Minimum clearances are to be	NWL submitted a written representation into Examination at Deadline 4 to object to the dDCO and request bespoke protective provisions [REP4-023]. The Applicant responded to this representation in its Comments on
		maintained in agreement with Northumbrian Water.	Deadline 4 Submissions (Document reference 8.21) submitted at Deadline 5.
		Appendix 1 Asset ID: NW_002	Detaine 1 submissions (Document 1 electrice 6.21) submitted at Detaine 5.
	Drainage pipe	Located at Panel Area D.	NWL's legal representatives contacted the Applicant in late October and engagement between the parties is
			ongoing to negotiate bespoke protective provisions. The Applicant expects to receive draft protective
		Close to redline boundary so buffers to be considered for placement	provisions from NWL shortly following Deadline 5 for review by the Applicant.
		of perimeter fencing. The pipe continues south-east and 33kV cable	
		route may interact at this location. Minimum clearances are to be	Protective provisions for water and sewerage undertakers are included in Part 1 of Schedule 11 to the dDCO
		maintained in agreement with Northumbrian Water.	[APP-012].
		Appendix 1 Asset ID: NW_003	
	Water pipeline	Located at Panel Area F.	
		33kv cable crossing, no other infrastructure in this field. Road access	
		to eastern PV field also cross the pipeline at same location.	
		It is assumed the pipeline continue south along the existing road and	
		will not enter into the solar PV fields. Potential for second 33kV cable	
		crossing further south.	
		A	
Vivoin Madia Limitar	Tologoma cobles	Appendix 1 Asset ID: NW_004	The Applicant's legal advisors contested Virgin Media in March 2024 to confirm that protective and in the
Virgin Media Limited	Telecoms cables	Located at Panel Area E.	The Applicant's legal advisors contacted Virgin Media in March 2024 to confirm that protective provisions for operators of electronic communications code networks are included in the dDCO and that the Applicant is
		Two 33kV crossings. PV boundary fencing to be placed outside any	committed to entering necessary agreements in respect of crossing points between Virgin Media's existing
		buffer or maintain minimum clearances.	apparatus and the Proposed Development.
			· · · · · · · · · · · · · · · · · · ·

Statutory undertaker (SU)	Asset/ Crossing Type	Location and Relevance to Proposed Development	Status
under taker (00)		Appendix 1 Asset ID: VM_001	In March 2024, Virgin Media confirmed no-objection in principle to the Proposed Development.
			Protective provisions for operators of electronic communications code networks are included in Part 2 of Schedule 11 to the dDCO [APP-012].
			Virgin Media has not submitted a representation to the Examination and the Applicant understands that Virgin Media does not object to the terms of the dDCO [APP-012].
Vodafone Limited and Atkins	Telecoms cables	Located at Panel Area D.	This asset is now understood to be owned by Vodafone / Atkins, rather than Virgin Media / Atkins.
and Atkins		Close to redline boundary so easements to be considered for placement of perimeter fencing.	The Applicant's technical team contacted Atkins in April 2024 to confirm the interaction of the Proposed Development and Atkins/Vodafone's existing assets and Atkins/Vodafone's requirements in respect of asset crossings.
		It is assumed the cable continues south-east and 33kV cable route may interact but minimum clearances should be maintained.	Protective provisions for operators of electronic communications code networks are included in Part 2 of Schedule 11 to the dDCO [APP-012].
		Appendix 1 Asset ID: VF_001	Vodafone / Atkins have not submitted a representation to the Examination and the Applicant understands that Vodafone / Atkins do not object to the terms of the dDCO [APP-012].
Zayo Group UK	Telecoms cables	Located at Panel Area A.	Engagement between the parties' technical teams commenced in November 2023 to confirm the interaction of
Limited		Telecoms cable in private land and therefore anticipated that a buffer would be required to be maintained. The current design does not include any infrastructure over the asset except fencing. RWE are awaiting further information to be provided on required easement areas to be confirmed and maintained as part of the detailed design.	the Proposed Development and Zayo's existing assets and Zayo's requirements in respect of asset crossings. The Applicant's legal advisors contacted Zayo's legal team in March 2024 to confirm that protective provisions for operators of electronic communications code networks are included in the dDCO and that the Applicant is committed to entering necessary agreements in respect of crossing points between Zayo's existing apparatus and the Proposed Development. Protective provisions for operators of electronic communications code networks are included in Part 2 of
		DC cable crossing would need to comply with minimum clearances. Construction traffic crossing may also need agreement for crossing design in accordance with asset owner's requirements.	Schedule 11 to the dDCO [APP-012]. Zayo has not submitted a representation to the Examination and the Applicant understands that Zayo does not object to the terms of the dDCO [APP-012].
		Appendix 1 Asset ID: Z_001	
	Telecoms cables	Located at Panel Area C. Potential road crossing at exit from PV field along 33kV cable route. Telecoms cable in private land and therefore anticipated that an easement is to be maintained. The current design does not include any infrastructure over the asset except fencing. RWE are awaiting further information to be provided on required easement areas to be confirmed and maintained as part of the detailed design. DC and 33kV cable crossings would need to comply with minimum clearances. Appendix 1 Asset ID: Z_002	

Appendix 1 – Asset Description Table

Table 2-2 Asset description

Asset ID	Statutory undertaker (SU)	Asset/ Crossing Type	Description	Images
BT_001	British Telecommunications PLC	Telecoms cable	The 132kV cable route for the Proposed Development will run from East of Bishopton, along the off-road cable route to the south of Bishopton shown in green, and then either along or nearby Redmarshall Road, through Carlton, and along Letch Lane to Norton Substation. The on-road and off-road cable route options are shown respectively in dark blue and green. The BT telecoms cable (shown in pink) runs along a similar route between Bishopton and Norton Substation and there will be multiple crossing points with the 132kV cabling depending on the final cable route.	
BT_002	British Telecommunications PLC	Telecoms cable	At this location the Proposed Development will use an existing private track running south from Lodge Lane for access to the Proposed Development (shown in brown). The BT telecoms cable (shown in pink) runs within or nearby this access track and will be crossed by the Proposed Development's access at one point.	

Asset ID	Statutory undertaker (SU)	Asset/ Crossing Type	Description	Images
GTC_001	GTC Pipelines Ltd	Low pressure gas pipeline	The LP pipeline is in Carlton village. The potential on-road 132kV cable route crosses the pipeline perpendicularly. The indicative on-road 132kV cable route is shown in blue and the GTC pipeline runs perpendicular to this at the junction shown.	
HWC_001	Hartlepool Water Company (Anglian Water Group Limited)	Water pipeline	The pipeline (light blue dash) located at Panel Area D. Buffers from assets to be observed. 6x fencing crossings (pink) and DC cable crossings to observe minimum clearances.	

Asset ID	Statutory undertaker (SU)	Asset/ Crossing Type	Description	Images
I/S_001	INEOS / SABIC	Ethylene Gas Pipeline	The Ethylene gas pipeline (green) is located on Letch Lane on the approach to Norton Substation from the west. The pipeline runs north to south perpendicular to the road and the potential on-road 132kV cable (blue) which is expected to cross the pipeline.	
NGG_001	National Grid Gas	High pressure gas pipeline	The HP pipeline is located in Area A, South of the Lime Lane/Lodge Lane junction. The pipeline (yellow dash) runs adjacent to the proposed panel area, crossing Lime Lane to the North. DC cable crossings will be required along with temporary road crossings.	
NGG_002	National Grid Gas	Low pressure gas pipeline	The LP pipeline is located in Panel Area E as shown in yellow. There will be one permanent road crossing (brown) to be agreed to access inverter stations. 33kV Cabling (blue) assumed to follow same crossing point. The LP pipeline continues north in the second picture and will need to cross the 33kV cable route (blue).	

Asset ID	Statutory undertaker (SU)	Asset/ Crossing Type	Description	Images
NGET_001	National Grid Electricity Transmission PLC	400kV overhead line	NGET's 400kV overhead transmission lines run south from Norton Substation over Letch Lane, beneath which the 132kV cabling for the Proposed Development will be laid	
NR_001	Network Rail	Railway Bridge	Located at Norton Substation which is to the Northeast of the crossing. The interaction is with the disused railway branch line shown in green in the second picture. The 132kV cable (dark blue) crossing at this point is to be discussed with Network Rail.	

Asset ID	Statutory undertaker (SU)	Asset/ Crossing Type	Description	Images
NGN_001	Northern Gas Networks	Intermediate pressure gas pipeline	NGN has a gas pipeline is shown in Yellow and is Located at Panel Area A. Expected crossings include 3x 33kV cable (blue) crossings and 3x road crossings (brown).	

Asset ID	Statutory undertaker (SU)	Asset/ Crossing Type	Description	Images
NPG_001	Northern Power Grid	Overhead Line (OHL)	The OHL (blue) runs North to South, located at Panel Area A. It crosses over 4x fence lines (pink) and 1x 33kV cable (blue). PV Modules are designed beneath the OHL. Minimum separation distances from infrastructure to be confirmed in the detailed design.	
NPG_002	Northern Power Grid	OHL	The OHL (blue) runs North to South, located at Panel Area A. Multiple fence lines (pink), 2x 33kV cables (blue) and 1x temporary access road (brown) will cross beneath these OHLs. PV modules are designed beneath the OHLs. Minimum separation distances from infrastructure to be confirmed in the detailed design.	

Asset ID	Statutory undertaker (SU)	Asset/ Crossing Type	Description	Images
NPG_003	Northern Power Grid	OHL	The OHL (blue) located at Panel Area A runs North to South. Multiple fences (pink), 1x 33kV cable (blue) and 1x temporary road (brown) will cross underneath. PV modules are designed under the OHL. Minimum separation distances from infrastructure to be confirmed in the detailed design.	

Asset ID	Statutory undertaker (SU)	Asset/ Crossing Type	Description	Images
NPG_004	Northern Power Grid	OHL	The OHLs (dark blue dash) located at Panel Area B run in a cross from NE to SW and NW to SE. 5x fence crossings (pink) are expected with 1x temporary road crossing (brown) and 1x further temporary road in proximity to the OHL. Minimum separation distances from infrastructure to be confirmed in the detailed design.	
NPG_005	Northern Power Grid	OHL	The OHL (dark blue dash) is located at Panel Area B. This OHL is expected to have 2x fences crossing (pink) underneath only.	

Asset ID	Statutory undertaker (SU)	Asset/ Crossing Type	Description	Images
NPG_006	Northern Power Grid	OHL	The OHL (dark blue dash) is located at Panel Area C running SW to NE and connecting to the farm in the image. 3x fence crossings (pink), 2x 33kV cables (blue & light blue) and 2x permanent road accesses (brown) will cross underneath. Minimum separation distances from infrastructure to be confirmed in the detailed design.	
NPG_007	Northern Power Grid	OHL	The OHL (dark blue dash) is located at Panel Area D running NW to SE. 6x fence crossings (pink), 2x 33kv cable crossings (blue) and 1 access road crossing (brown) are expected to cross underneath. Positioning of inverter stations (red) to be considered in relation to minimum separation distances and construction activities in the vicinity.	
NPG_008	Northern Power Grid	OHL	The OHL (dark blue dash) is located at Panel Area E running East to West. Expected crossings include 2x 33kV crossings (blue and light blue) and 1x permanent access road (brown). PV boundary fencing (pink) to be placed outside any easement or maintain minimum clearances.	
NPG_009	Northern Power Grid	OHL	The OHL (dark blue dash) is located at Panel Area F running NW to SE. 1x 33kV cable (blue) and 1x permanent access road (brown) will pass underneath the OHL.	

Asset ID	Statutory undertaker (SU)	Asset/ Crossing Type	Description	Images
NW_001	Northumbrian Water	Drainage pipe & water mains	The drainage pipe (light blue dash) is located at Panel Area B. The drainage pipe is expected to be outside the redline boundary, so crossings are unlikely. The pipe extends south to cross the 33kV cable route (blue) along Slaters Lane in second image.	
NW_002	Northumbrian Water	Drainage pipe	Drainage pipe (light blue dash) located at Panel Area D. Close to redline boundary so buffers to be considered for placement of perimeter fencing.	

Asset ID	Statutory undertaker (SU)	Asset/ Crossing Type	Description	Images
NW_003	Northumbrian Water	Drainage pipe	Drainage pipe (light blue dash) located at Panel Area D. Close to redline boundary so buffers to be considered for placement of perimeter fencing.	
NW_004	Northumbrian Water	Water Pipeline	The pipeline (light blue dash) is located at Panel Area F. There will be 1x 33kV cable crossing (blue), with no other infrastructure in this field. 1x road access (brown) to the eastern PV field also crosses the pipeline at same location. It is assumed the pipeline continues south along the existing road and will not enter the solar PV fields. There is a potential second 33kV cable crossing and access road crossing further south. This is shown in the second picture.	
VM_001	Virgin Media	Telecoms Cables	The Virgin Media telecoms cable (pink dash) is located at Panel Area E. There will be 2x 33kV crossings (blue and light blue) and 1x permanent access road crossing (brown). The PV boundary fencing to maintain a 24.4m easement centred on the pipeline.	

Asset ID	Statutory undertaker (SU)	Asset/ Crossing Type	Description	Images
VF_001	Vodafone & Atkins	Telecoms Cables	The Vodafone & Atkins telecoms cable (pink dash along red line boundary) is located at Panel Area D. Close to redline boundary so easements to be considered for placement of perimeter fencing.	
Z_001	Zayo	Telecoms Cables	The Zayo cable (pink dash) is located at Panel Area A. 2x fencing (pink) and 1z access road (brown) will cross the Zayo asset. No PV modules will be built within the determined easement.	
Z_002	Zayo	Telecoms Cables	The Zayo cable (pink dash) is located at Panel Area C. 3x cable crossings (blue and light blue), 3x fencing (pink) and 2x access roads will cross the Zayo cable. The Zayo cable will run adjacent to access roads and fencing, so minimum distances will be adhered to.	