

5 APPENDIX 5.6 – CUMULATIVE DEVELOPMENTS

5.1 Introduction

- 5.1.1 This appendix describes the cumulative developments considered in the LVIA. Including the rationale and preliminary assessment for which cumulative developments to include in the detailed assessment in the LVIA.
- 5.1.2 GLVIA3 (Landscape Institute and IEMA, 2013, p120) defines cumulative landscape and visual effects as those that *'result from additional changes to the landscape and visual amenity caused by the proposed development in conjunction with other developments (associated with or separate to it), or actions that occurred in the past, present or are likely to occur in the foreseeable future.'*
- 5.1.3 This is in line with guidance (NatureScot 2021, p8) which states that *'The assessment should be proportionate to the likely impacts and all CLVIA should accord with the guidelines within GLVIA3. The emphasis should be on the production of relevant and useful information, highlighting why the proposals assessed have been included and why others have been excluded, rather than the provision of a large volume of information.'*
- 5.1.4 In relation to the types of development to consider in cumulative assessment, GLVIA3 (Landscape Institute and IEMA, 2013, p122), states that *'In most cases the focus of the cumulative assessment will be on the additional effect of the project in conjunction with other developments of the same type (as, for example, in the case of wind farms).'*
- 5.1.5 However, as described in Appendix 5.1, and in line with advice provided by the Planning Inspectorate in the scoping direction, other forms of major development have also been considered to determine whether or not they could potentially lead to a significant cumulative effect when considering landscape or visual interaction with the Proposed Scheme.
- 5.1.6 A comprehensive list of cumulative developments has been compiled and this 'long list' and the approach to compiling this list is described in Volume 2 Chapter 13. In line with the above scope the cumulative search area for the LVIA includes the following search criteria –
- Wind turbine development above 50m in height to a distance of 45km from the Proposed Scheme
 - Other national infrastructure developments to a distance of 45km from the Proposed Scheme
 - Local developments to a distance of 10km from the Proposed Scheme
- 5.1.7 The cumulative situation changes frequently as applications are made or withdrawn, and the layouts of submitted application wind farms are changed. It is therefore necessary to decide on a cut-off date when the sites and layouts to be included are fixed. The cumulative assessment includes non-wind cumulative developments as of September 2022 (and updated in January 2023 following PAC comments) and wind energy

developments as of March 2023. Any changes in the cumulative situation after this date are not incorporated in the assessment.

5.2 Wind Energy Cumulative Development

- 5.2.1 NatureScot's guidance highlights that '*The purpose of a Cumulative Landscape and Visual Impact Assessment (CLVIA) is to describe, visually represent and assess the ways in which a proposed wind farm would have additional impacts when considered with other consented or proposed wind farms. It should identify the significant cumulative impacts arising from the proposed wind farm.*' GLVIA3, p120 also highlights that '*the focus of the cumulative assessment will be on the additional effect of the project in conjunction with other developments of the same type (as for example, in the case of wind farms)*'
- 5.2.2 In accordance with the aforementioned guidance, the cumulative assessment focuses on the addition of the Proposed Scheme to other wind farm development. Wind energy development data was sourced directly from relevant local authorities, a range of wind energy developer web sites and local authority online planning application portals.
- 5.2.3 The cumulative assessment includes all wind turbine developments that are operational, under construction, consented or at planning application stage and are over 50 m to tip in height. It is considered that turbines below 50 m in height are unlikely to result in significant cumulative effects with the Proposed Scheme.
- 5.2.4 Schemes that are at the pre-planning or scoping stage are typically not considered in the assessment of cumulative effects due to layout and design uncertainties at the pre-application stages and as such firm information on which to base the assessment of this scenario is not available. However, in response to PAC comments made by BBNPA in relation to the emerging pattern of development to the south of the BBNP, an assessment of the scoping scenario is also included in the LVIA. Scoping stage sites are mapped on Figures 5.22a-b.

Preliminary assessment

- 5.2.5 A review of the broad wind farm context within a 45 km radius has been undertaken and it is considered that any cumulative effects that would occur, would arise as a result of the pattern of development within the 45 km Study Area radius, rather than as a result of changes beyond this. This broad wind farm context is listed in Table 5-6.1 and shown on Figure 5.22a which includes mapping of cumulative sites within the 45km study area. Based on surrounding topography, the theoretical visibility of the Proposed Scheme and the locations of groups of wind energy developments within the wider study area it is considered unlikely that significant cumulative effects would occur between the Proposed Scheme and any of the cumulative sites located beyond 20km. For this reason, the detailed assessment within the LVIA has focussed on the cumulative sites within 20 km of the Proposed Scheme.
- 5.2.6 Cumulative sites within 20km are listed in Table 5.8 within the LVIA Chapter and shown on Figure 5.22b. Diagrams showing Cumulative Zone of Theoretical Visibility (CZTV) for those operational, consented and application developments within 20km of the Proposed Scheme are shown on Figures 5.23a-h. Whilst not assessed in detail in the LVIA, operational, consented and application schemes beyond 20km are included in wireframe diagrams (where visible) to support the approach to cumulative assessment. CZTVs have

also been produced for scoping stage developments on Figures 5.23i (scoping schemes within 10 km) and Figure 5.23j (scoping schemes within 10-20km), scoping schemes within 20km have been included on the cumulative wirelines.

Table 5-6.1: Cumulative Wind Energy Developments within 45km

Wind Energy Development	Status	No. of Turbines	Blade Tip (m)
ABP Newport 1	Operational	1	125
ABP Newport 2	Operational	1	126
Bedlwyn Farm	Operational	1	86.5
Bryn Ysgawen Farm	Operational	1	77
Bwllfa Farm	Operational	1	77
Castell Llwyd Farm	Operational	1	77
Cefn Bach Farm	Operational	1	77
Cefn Fforest Farm	Operational	1	102
Clearwell Farm	Operational	1	53.7
Cruglwyn	Operational	2	86.5
Ferndale (Penrhys)	Operational	8	74
Ffoch Nest	Operational	11	115
Ffynnon Oer	Operational	16	93
Ford Bridgend	Operational	1	79
Former Tech Board Site	Operational	1	74
G24 Innovations Turbine	Operational	1	140
Gelli-wen Farm	Operational	1	77
Greenmoor	Operational	1	100
Groesfaen Farm	Operational	1	77
Hill House Farm	Operational	1	77
Llynfi Afan Renewable Energy Park	Operational	12	118
Longlands Lane	Operational	1	66
Maerdy	Operational	8	145
Maesgwyn	Operational	13	115
Maesgwyn Extension	Operational	1	125
Mynachdy Farm	Operational	2	67.89
Mynydd Brombii	Operational	4	100
Mynydd Bwllfa	Operational	9	125
Mynydd Portref	Operational	11	86
Mynydd Portref Extension	Operational	6	100
Mynydd y Betws	Operational	15	126.5
Mynydd y Gwair	Operational	16	125

Wind Energy Development	Status	No. of Turbines	Blade Tip (m)
Mynydd Y Gwrhyd	Operational	2	100
Mynydd Y Gwrhyd	Operational	2	100
Mynydd Y Gwrhyd	Operational	2	100
Nash Waste Water Treatment Works	Operational	1	130
Newlands Farm	Operational	1	77
Newton Down	Operational	2	125
Oakdale	Operational	2	130
Pant y wal	Operational	10	115
Pant y wal Extension	Operational	8	125
Parc Stormy	Operational	1	124.92
Pen Bryn Oer	Operational	3	110
Pen Y Cymoedd	Operational	76	145
Pen Y Fan Ganol Farm	Operational	1	73.5
Pengarnddu Industrial Estate	Operational	1	77
Penrhiwgwaith Farm	Operational	1	87
Pen-y-fan Industrial Estate	Operational	1	123.5
Pen-yr-heol Farm	Operational	1	77.9
Perthigwynion Farm	Operational	1	86.5
Rassau Industrial Estate	Operational	1	72
Solutia UK Ltd	Operational	2	130
St Merryn Meat Factory	Operational	1	77
Stormy Down	Operational	1	105
Swansea Bay Wastewater Works	Operational	1	79
Tafaranaubach Industrial Estate	Operational	1	74
Taff Ely	Operational	20	53.5
Tesco Distribution Centre Gwent Europark	Operational	2	100
The Grange	Operational	1	77
Tir Cook Farm	Operational	1	77
Tyle Cwrth	Operational	1	76.45
West of Rhiwfelin Fach Farm	Operational	1	59.75
Abergorki	Consented	3	149.9
Faff Ely Repowering	Consented	7	110
Foel Trawsnant	Consented	11	145
Graig Fatha Farm	Consented	1	126
Land at Graig-yr-hufen Road	Consented	1	77
Llwyncelyn Farm	Consented	2	125

Wind Energy Development	Status	No. of Turbines	Blade Tip (m)
Melin Court	Consented	5	145
Nant-y-Gwyddon	Consented	1	121.5
Pant Y Wal Extension 2	Consented	2	125
Rhigos Road	Consented	1	78
Rush Wall	Consented	1	150
Taff Ely Repowering	Consented	7	110
Unit 19 Rassau Industrial Estate	Consented	1	80
Unit 18 Rassau Industrial Estate	Consented	1	80
Upper Ogmere	Consented	7	149.9
Foel Trawsant S73	Application	8	145
Mynydd Carn-y-Cefn	Application	8	175
Rhiwfeilin Fach	Application	1	90
Silent Valley	Application	1	103
Penrhyn Farm	Scoping	1	77
Penrhyn Farm 2	Scoping	1	62
Manmoel	Scoping	5	180
West Monmouthshire Golf Club	Scoping	1	78
Abertillery	Scoping	7	180
Hafodarthan	Scoping	1	51
Hafodarthan Farm	Scoping	1	62
Land east of Llwynon Road	Scoping	1	73.5
Mynydd Llanhilleth	Scoping	8	180
Twyn Hywel Energy Park	Scoping	20	200
Mynydd Maen	Scoping	16	149.9
Biglis Farm	Scoping	1	77
Great House Farm	Scoping	1	77
Gwent Levels Community Wind Farm	Scoping	3	126.5
Longlands Farm	Scoping	1	99.5
Mynydd y Glyn	Scoping	7	180
Mynydd Fforch Dwm	Scoping	7	200
Hirfynydd	Scoping	7	200

5.4 Non-Wind Energy Cumulative Development

- 5.4.1 A comprehensive list of developments has been compiled and this 'long list' and the approach to compiling this list is described in Volume 2 Chapter 13.

Preliminary Assessment

- 5.4.2 In order to focus the cumulative assessment on the potential for significant cumulative effects, the LVIA has undertaken a process of scoping out projects and activities from this list where it is assessed there would be no potential for a significant cumulative effect as a result of the addition of the Proposed Scheme. This preliminary assessment is based on professional judgement, assessment rationale and guidance relevant to landscape and visual impacts .
- 5.4.3 Taking this into account, the cumulative study areas for the non-wind cumulative developments considered appropriate for the LVIA is as follows:
- National infrastructure developments within 45km of the Proposed Scheme
 - Major Local Planning Authority applications within 10km of the Proposed Scheme
- 5.4.4 Those non-wind cumulative developments within the 'long list' described in Volume 2 Chapter 13 that fall within these non-wind cumulative study areas are listed in Table 5- 6.1 below along with a preliminary assessment.
- 5.4.5 The preliminary cumulative assessment detailed in Table 5-6.1 has determined that none of the non-wind cumulative developments in the non-wind cumulative study areas are considered to have the potential to contribute to significant cumulative landscape or visual effects. This is largely due to distance or separation between the Proposed Scheme and the cumulative development or due to lack of cumulative interaction that has the potential to cause a significant cumulative effect.

Table 5-6.2: Preliminary assessment of non-wind cumulative development

Cumulative Development Name / Description		Development Type	Status	Distance from Proposed Scheme (km)	Preliminary assessment
National Infrastructure Developments within 45km of the Proposed Scheme					
CAS-01817-C5Z4T3 - Circuit of Wales Solar Farm	Ground mounted solar array with associated access and ancillary infrastructure.	Energy Generation	Pre-Application	4.3	This development lies to the east of the site and is located within close context to the Rassau Industrial Estate. There are views of Rassau Industrial Estate from elevated positions on the ridges of the valleys landscape to the south and it is considered that views of this development would also be possible from these locations. The Proposed Scheme however would appear in an entirely different part of the view panorama to the Rassau Industrial Estate when viewed from these ridges and cumulative interaction with this development is therefore limited. It is considered therefore that there is no potential for significant cumulative effects as a result of this development.
Hirwaun Power Station	A gas-fired power station with a nominal generating capacity of up to 299 MW	Energy Generation	Granted	14.06	This development lies at the edges of the theoretical visibility extent of the Proposed Scheme. It is located within an existing complex of industrial units and the development would have no discernible visual relationship to the Proposed Scheme 14km to the east. No potential for significant cumulative effects.
DNS/3266623 - Cwm Ifor Solar Farm	A ground mounted solar PV array (circa 15 MW)	Energy Generation	Pre-Application	20.1	This development is distant and not within or close to the theoretical visibility extent of the Proposed Scheme. No potential for significant cumulative effects.

Cumulative Development Name / Description		Development Type	Status	Distance from Proposed Scheme (km)	Preliminary assessment
DNS/3252305 - Penpergwm Solar Farm	Construction, operation, maintenance and decommissioning of a ground mounted solar park with a maximum export capacity of 37MW (megawatts).	Energy Generation	Application Submitted	23.0	This development is distant and not within or close to the theoretical visibility extent of the Proposed Scheme. No potential for significant cumulative effects.
DNS/3282038 - Maes Mawr Solar	Solar Park, Access and Ancillary Development	Energy Generation	Pre-Application	23.0	This development is distant and not within or close to the theoretical visibility extent of the Proposed Scheme. No potential for significant cumulative effects.
DNS/3239190 - Pentre Bach Solar Farm	Proposed ground-mounted photo-voltaic solar farm with an electrical generating of circa 30 MW together with associated equipment, infrastructure and ancillary works.	Energy Generation	Pre-Application	25.0	This development is distant and not within or close to the theoretical visibility extent of the Proposed Scheme. No potential for significant cumulative effects.
DNS/3214873 - Llantarnam - SToR	Proposed temporary installation of a peaking gas powered energy plant	Energy Generation	EIA Screening direction	25.9	This development is distant and not within or close to the theoretical visibility extent of the Proposed Scheme. No potential for significant cumulative effects.
DNS/3272424 - Pencaerlan Solar/ Seven Sister Solar Farm	Solar farm on land totalling approximately 28 hectares (70 acres). The solar farm will have an installed capacity of approximately 20MWp	Energy Generation	Pre-Application	27.1	This development is distant and not within or close to the theoretical visibility extent of the Proposed Scheme. No potential for significant cumulative effects.
DNS/3279521 - Ty'n Y Waun Solar (Heol y Cyw)	Solar park and ancillary development	Energy Generation	Pre-Application	28.4	This development is distant and not within or close to the theoretical visibility extent of the Proposed Scheme. No potential for significant cumulative effects.

Cumulative Development Name / Description		Development Type	Status	Distance from Proposed Scheme (km)	Preliminary assessment
DNS/3253154 - Llynfi Energy Recovery Facility	construction and operation of a Energy Recovery Facility (ERF) with associated ancillary facilities and infrastructure on land off the A4063 formerly occupied by the Llynfi coal power station by Cenin Renewables Ltd	Energy Generation	Pre-Application	29.2	This development is distant and not within or close to the theoretical visibility extent of the Proposed Scheme. No potential for significant cumulative effects.
DNS CAS-01772-Z5P5D2 - Wentlooge Solar (Resubmission)	Erection of a Renewable Energy Hub comprising ground mounted solar panels, battery storage units (160 units) with a combined installed generating capacity of up to 125MW.	Energy Generation	Application Submitted	32.7	This development is distant and not within or close to the theoretical visibility extent of the Proposed Scheme. No potential for significant cumulative effects.
DNS/3236340 - Mor Hafren Energy Recovery Facility	Proposed construction and operation of an Energy Recovery Facility, fuelled by up to 200,000 tonnes per annum of residual waste and exporting approximately 15Mw of electricity to the National Grid.	Energy Generation	Examination - Refused	32.8	This development is distant and not within or close to the theoretical visibility extent of the Proposed Scheme. No potential for significant cumulative effects.
DNS CAS-01977-L5K6R7 - Eirlys Solar Farm	Solar farm and energy storage project, circa 50 MW.	Energy Generation	Pre-Application	33.4	This development is distant and not within or close to the theoretical visibility extent of the Proposed Scheme. No potential for significant cumulative effects.
DNS/3261558 - Brynwell Farm Renewable Energy Hub	Installation of a solar farm comprising ground mounted solar PV panels with a net	Energy Generation	Examination	34.3	This development is distant and not within or close to the theoretical visibility extent of the Proposed Scheme. No potential for significant cumulative effects.

Cumulative Development Name / Description		Development Type	Status	Distance from Proposed Scheme (km)	Preliminary assessment
	installed generating capacity (AC) of up to 25 MW.				
DNS/3267575 - Parc Dyffryn Solar Park	A solar park (65MW), battery storage, transport interchange facility including electric vehicle charging station and ancillary development.	Energy Generation	Pre-Application	34.7	This development is distant and not within or close to the theoretical visibility extent of the Proposed Scheme. No potential for significant cumulative effects.
DNS/3245503 - Pancross and Oaklands Solar Farm	Solar farm and energy storage (battery) development with ancillary infrastructure across a total area of approximately 126 ha of farmland.	Energy Generation	Pre-Application	35.3	This development is distant and not within or close to the theoretical visibility extent of the Proposed Scheme. No potential for significant cumulative effects.
DNS/3279676 - Craig Y Perchyll Solar	Solar farm and ancillary development	Energy Generation	Pre-Application	37.6	This development is distant and not within or close to the theoretical visibility extent of the Proposed Scheme. No potential for significant cumulative effects.
DNS/3273713 - Land at Pen Onn Solar Farm	Erection of Solar Farm and associated works.	Energy Generation	Pre-Application	38.9	This development is distant and not within or close to the theoretical visibility extent of the Proposed Scheme. No potential for significant cumulative effects.
DNS/3220457 - Rush Wall Solar Park Ltd	The installation of a solar park with an approximate design capacity of 75MW.	Energy Generation	Examination	39.4	This development is distant and not within or close to the theoretical visibility extent of the Proposed Scheme. No potential for significant cumulative effects.
CAS-01960-J2H3X5 - Magor Net Zero	Renewable Energy & Green Hydrogen Production Facility including ground-mounted solar PV, wind turbine,	Energy Generation	Pre-Application	40.07	This development is distant and not within or close to the theoretical visibility extent of the Proposed Scheme. No potential for significant cumulative effects.

Cumulative Development Name / Description		Development Type	Status	Distance from Proposed Scheme (km)	Preliminary assessment
	hydrogen electrolyzers, hydrogen and energy storage and ancillary and associated infrastructure and cabling.				
DNS CAS-01847-Z9D2Q2 - Rock Solar Farm	Ground mounted photovoltaic (PV) solar farm with an electrical generating capacity of approximately 20 MW and battery storage.	Energy Generation	not stated	41.1	This development is distant and not within or close to the theoretical visibility extent of the Proposed Scheme. No potential for significant cumulative effects.
CAS-01391-M3G6Q9 - East Aberthaw Solar	East Aberthaw Solar Farm with a potential generating capacity of circa 35MW	Energy Generation	Pre-Application	41.3	This development is distant and at the edges of the theoretical visibility extent of the Proposed Scheme. No potential for significant cumulative effects.
Abergelli Power – Gas Peaking Plant	An Open Cycle Gas Turbine (OCGT) peaking power generating station, fuelled by natural gas and capable of providing a rated electrical output of up to 299 Megawatts (MW)	Energy Generation	Consented	42.00	This development is distant and not within or close to the theoretical visibility extent of the Proposed Scheme. No potential for significant cumulative effects.
Local Developments within 10km of the Proposed Scheme					
A465: section 5&6	A465: section 5 and 6 Dowlais Top to Hirwaun	Road Infrastructure	Under Construction	0.7	This section of the A465, Heads of the Valleys Road lies close to the south of the Proposed Scheme site boundary. The A465 dualled carriageway forms a strong existing linear feature in the landscape and visual baseline and whilst slight changes would be apparent as a result of this development its position and characteristics within the landscape overall would remain the same. It

Cumulative Development Name / Description		Development Type	Status	Distance from Proposed Scheme (km)	Preliminary assessment
					is considered therefore that there is no potential for significant cumulative effects as a result of this development.
Ffos y Fran Land Reclamation	Ffos y Fran open cast mining site/ Ffos-y-fran Land Reclamation Scheme	Mineral Extraction	Not Stated	2.1	The Ffos-y-Fran Land Reclamation Scheme is an opencast coal extraction operation to the south-east of Merthyr Tydfil. This scheme is considered to part of the baseline as the extraction operations are still active and any cumulative interactions are considered within the main assessment of landscape and visual effects.
C/2019/0330	The change of use of existing buildings from Education and Training Centre to B2 Industrial use for the recycling and recovery of WEEE (Waste Electronic and Electrical Equipment) and associated materials and products.	Built - Industrial	Not Stated	2.1	This development lies within the Tafarnaubach industrial Estate and its change of building use would have no potential for significant cumulative effects with the Proposed Scheme.
C/2018/0019	Retention of earthworks to re-profile land	Earthworks	Not Stated	2.9	This development relates to existing earthworks which are part of the LVIA baseline. There is little cumulative interaction noted in the LVIA and it is therefore considered that there is no potential for significant cumulative effects.
C/2016/0231	Residential development of fourteen dwellings (social	Built - Residential	Not Stated	3.4	This development is located in Dukestown, Tredegar. It is considered that there is no potential for significant cumulative effects

Cumulative Development Name / Description		Development Type	Status	Distance from Proposed Scheme (km)	Preliminary assessment
	housing) and associated site works				due to differing scale / type of development and close context of existing settlement.
C/2018/0191	The construction of 22 no. affordable homes (comprising 18 no. general needs affordable homes and 4 no. assisted living residential units) and associated works	Built - Residential	Not Stated	3.4	This development is located in Dukestown, Tredegar. It is considered that there is no potential for significant cumulative effects due to differing scale / type of development and close context of existing settlement.
19/0679/NCC	Vary conditions 5 (Layout), 6 (Drainage), 13 (Noise Barrier), 14 (Coal) of planning consent 16/0642/OUT (Erection of residential development (indicative 25 dwellings) and associated infrastructure)	Built – Residential	Consented	3.7	This development is located within the southern fringes of the Rhimney settlement. It is considered that there is no potential for significant cumulative effects due to the differing scale / type of development and close context of existing settlement.
C/2022/0171	Trefil Quarry - Extension to Trefil Quarry for mineral working comprising limestone extraction and future restoration.	Mineral Extraction	Application	4.2	This development is an extension to an existing and operational quarry. It is considered that there is no potential for significant cumulative effects due to lack of intervisibility, differing scale / type of development and close context of existing quarry workings.
19/0823/NCC	Land At Grid Ref 313169 206548 Wauntysswg Farm Abertysswg Rhymney Tredegar. Vary condition 3 of	Energy Generation	Consented	4.3	This development lies to the southeast of the site on the eastern side of the ridge that lies between the Sirhowy and Rhymney valleys. The ridge is visible from these neighbouring valleys and opposite ridges and it is

Cumulative Development Name / Description		Development Type	Status	Distance from Proposed Scheme (km)	Preliminary assessment
	planning consent 18/0626/DNS (Welsh Ministers Consent DNS3213639) (Provide solar park, access and ancillary development)				considered that views of this development would also be possible from these locations. The development is at the edges of the theoretical visibility extent of the Proposed Scheme due to the intervening higher elevated ridge top. The Proposed Scheme would appear in an entirely different part of the view panorama when viewed from the surrounding landscape and cumulative interaction with this development is therefore limited to distant and successive views (particularly from more sensitive locations such as the Rhymney Valley Ridgeway Walk). Taking all of this into account, it is considered that there is no potential for significant cumulative effects as a result of this development.
C/2019/0009	Construction of new business units (Class B1/B2/B8 and ancillary uses) and associated parking areas, external works	Built - Commercial	Not Stated	5.0	This development is located in the Rassau Industrial Estate. It is considered that there is no potential for significant cumulative effects due to differing scale / type of development and close context of existing built development.
Rhydycar West	Rhydycar West: Outline application for erection of a mixed leisure development comprising indoor snow centre (up to 39,200 sq m), waterpark (up to 7,500 sq m), indoor activity centre (up to	Built - Commercial	Pre-Application	5.1	This development is located at the southwest edges of Merthyr Tydfil on the wooded lower slopes of the River Taff. This area has a number of other commercial and retail complexes which include various large built elements and car parking between the A470 and A4060. It is considered that there is no potential for significant cumulative effects due to the location of the Proposed Scheme to the northeast of Merthyr Tydfil; the

Cumulative Development Name / Description		Development Type	Status	Distance from Proposed Scheme (km)	Preliminary assessment
	9,000 sq m), external activity areas, hotel accommodation				differing scale / type of development; the wooded context of the Taff valley sides and the close proximity of existing large built commercial and retail complexes in the south Merthyr Tydfil area.
C/2021/0278.	CiNER Glass factory at Rassau Industrial Estate.	Built Commercial	Application	5.5	This development is located in the Rassau Industrial Estate. It is considered that there is no potential for significant cumulative effects due to differing scale / type of development and close context of existing built development.
C/2018/0310	Detailed application for erection of a 4955 sq.m (50,000 sq.ft) employment unit for B1, B2 or B8 uses, with highway & site access, car parking, service area, sub-station, along with footpath and cycleway provision, drainage & landscaping.	Built – Office Development	Not Stated	5.5	This development is located to the south of Rassau at the edges of the theoretical visibility extents of the Proposed Development. It is considered that there is no potential for significant cumulative effects due to the differing scale / type of development and close context of existing built development in Rassau and at Waun y Pound to the south.
C/2018/0217	Full planning application for development of 100 no. residential dwellings and associated works	Built - Residential	Not Stated	5.8	This development is located to the west of Glyncoed at the edges of the theoretical visibility extents of the Proposed Scheme. It is considered that there is no potential for significant cumulative effects due to lack of intervisibility, differing scale / type of development and close context of existing settlement.

Cumulative Development Name / Description		Development Type	Status	Distance from Proposed Scheme (km)	Preliminary assessment
C/2019/0005	Residential development of 277 units, including associated works	Built - Residential	Not Stated	6.2	This development is located to the west of Glyncoed at the edges of the theoretical visibility extents of the Proposed Scheme. It is considered that there is no potential for significant cumulative effects due to lack of intervisibility, differing scale / type of development and close context of existing settlement.
P/22/0192	Provision of 29 camping pods, changing village, vehicle workshop, children's play area and associated access, drainage and landscape infrastructure, Gethin Woodland Centre A470 Pentrebach to Rhydyar Northbound Abercanaid Merthyr Tydfil CF48 1YZ	Built - Recreational	Pre-Application	6.2	This development is located at the southwest edges of Merthyr Tydfil on the wooded lower slopes of the River Taff. The site currently houses BikePark Wales which includes café buildings, bike hire, car parking and bike trails. The proposals introduce camping pods and a play area within the wooded surrounds. The existing building are to be retained. It is considered that there is no potential for significant cumulative effects with the Proposed Scheme due to the location of the Proposed Scheme to the northeast of Merthyr Tydfil; the differing scale / type of development; and the wooded context of the Taff valley sides.
C/2017/0338	Independent elderly accommodation for the over 55's to include 27 no. 1 bed apartments (four storey) and 6 no. 1 bed bungalows and associated infrastructure	Built - Residential	Not Stated	6.2	This development is located to the southwest of Carmeltown at the edges of the theoretical visibility extent of the Proposed Scheme. It is considered that there is no potential for significant cumulative effects due to the differing scale / type of development and close context of existing settlement.
C/2021/0274	New Primary School and Childcare Facility with	Built - Educational	Not Stated	6.5	This development is located at the northern fringes of Glyncoed at the edges of

Cumulative Development Name / Description		Development Type	Status	Distance from Proposed Scheme (km)	Preliminary assessment
	External Play Areas, Recreational Spaces and Other Associated Infrastructure				theoretical visibility extents of the Proposed Scheme. It is considered that there is no potential for significant cumulative effects due to lack of intervisibility, differing scale / type of development and close context of existing settlement.
C/2019/0346	Affordable housing development of 23 dwellings including new access road, landscaping and associated engineering and drainage works.	Built - Residential	Not Stated	6.6	This development is located at the southern fringes of Glyncoed out with theoretical visibility extents of the Proposed Scheme. It is considered that there is no potential for significant cumulative effects due to lack of intervisibility.
C/2017/0280	Construction of 35 residential units and associated works	Built - Residential	Not Stated	6.6	This development is located in Ebbw Vale out with theoretical visibility extents of the Proposed Scheme. It is considered that there is no potential for significant cumulative effects due to lack of intervisibility.
C/2015/0387	Proposed development of 10 no. private houses and associated works	Built - Residential	Not Stated	7.0	This development is located in Beaufort at the edges of theoretical visibility extents of the Proposed Scheme. It is considered that there is no potential for significant cumulative effects due to lack of intervisibility, differing scale / type of development and close context of existing settlement.
C/2020/0201	Proposed residential development and associated works	Built - Residential	Not Stated	7.0	This development is located in Ebbw Vale out with theoretical visibility extents of the Proposed Scheme. It is considered that there is no potential for significant cumulative effects due to lack of intervisibility.

Cumulative Development Name / Description		Development Type	Status	Distance from Proposed Scheme (km)	Preliminary assessment
C/2018/0152	Construction of 9 business units (B1) within 3 buildings, with associated parking and new access road	Built - Commercial	Not Stated	7.2	This development is located in Ebbw Vale out with theoretical visibility extents of the Proposed Scheme. It is considered that there is no potential for significant cumulative effects due to lack of intervisibility.
C/2020/0106	Construction of new packaging line building, retaining wall and covered pedestrian walkway linking new packaging line building with new car park	Built - Industrial	Not Stated	9.1	This development is located in Brynmawr out with theoretical visibility extents of the Proposed Scheme. It is considered that there is no potential for significant cumulative effects due to lack of intervisibility.
C/2017/0019	This is an hybrid planning application comprising of: outline application for: retail units 2, 3 and 4 (Unit 2 Class A1 Convenience food store 1,392sqm retail; Unit 3 Class A1 Comparison 1631 sq m, and a flexible use for Unit 4 Classes A1/A2/A3 121 sqm.); and a full application for restaurant (Unit 1 Class A3 McDonald's 415sqm)	Built - Commercial	Not Stated	9.1	This development is located in Brynmawr out with theoretical visibility extents of the Proposed Scheme. It is considered that there is no potential for significant cumulative effects due to lack of intervisibility.
C/2018/0154	Extension of existing production and warehousing facilities	Built – Industrial	Not Stated	9.2	This development is located in Brynmawr out with theoretical visibility extents of the Proposed Scheme. It is considered that there is no potential for significant cumulative effects due to lack of intervisibility.

Cumulative Development Name / Description		Development Type	Status	Distance from Proposed Scheme (km)	Preliminary assessment
C/2019/0035	Full planning application for the provision of 3 retail units (Unit 2 Class A1 convenience food store, Unit 3 Class A1 comparison and flexible use for Unit 4 Classes A1/A2/A3) and associated works.	Built - Commercial	Not Stated	9.2	This development is located in Brynmawr out with theoretical visibility extents of the Proposed Scheme. It is considered that there is no potential for significant cumulative effects due to lack of intervisibility.

5.5 References

- Landscape Institute with the Institute of Environmental Management and Assessment (2013). Guidelines for Landscape and Visual Impact Assessment, Third Edition (GLVIA3)
- NatureScot (2021). Assessing the Cumulative Impact of Onshore Wind Energy Developments