

Wylfa Newydd Project

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**Highway Improvements App G11-5 - Effects on
heritage assets**

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Appendix G11-5: Effects on heritage assets

Archaeological remains

Receptor (or group of receptors)	Value of receptor(s)	Description of potential effect	Nature of effect(s)	Potential magnitude of change	Potential significance of effect	Additional mitigation	Post-mitigation magnitude of change	Significance of residual effect
Construction effects								
Section 1: Valley								
A5 Historic Route, Valley (Asset 5)	Low	Partial removal of asset	Adverse, Permanent	Minor	Slight adverse	Targeted watching brief	Negligible	Neutral
Two Buildings (Site of), west of Cleifio-g-Isaf (Asset 6)	Negligible	Removal of asset	Adverse, Permanent	Major	Slight adverse	Development of an archaeological mitigation strategy which would be developed in consultation with relevant stakeholders, to undertake a series of mitigation works which could potentially include targeted archaeological watching brief, targeted excavation and targeted strip map and sampling.	Negligible	Neutral
Route of Post Road/18th Century Turnpike Road (Asset 322)	Low	Partial removal of asset	Adverse, Permanent	Minor	Slight adverse	Development of an archaeological mitigation strategy which would be developed in consultation with relevant stakeholders, to undertake a series of mitigation works which could potentially include targeted archaeological watching brief, targeted excavation and targeted strip map and sampling.	Negligible	Neutral
North-east / south-west Former Field Boundary, Valley (Asset 361)	Negligible	Removal of asset	Adverse, Permanent	Major	Slight adverse	Targeted watching brief	Negligible	Neutral

Receptor (or group of receptors)	Value of receptor(s)	Description of potential effect	Nature of effect(s)	Potential magnitude of change	Potential significance of effect	Additional mitigation	Post-mitigation magnitude of change	Significance of residual effect
North-west / south-east Former Field Boundary, Valley (Asset 362)	Negligible	Removal of asset	Adverse, Permanent	Major	Slight adverse	Targeted watching brief	Negligible	Neutral
Gully (Site of), north-west of Pen-caledog (Asset 427)	Negligible	Removal of asset	Adverse, Permanent	Major	Slight adverse	Targeted watching brief	Negligible	Neutral
Section 3: Llanfachraeth								
Field Clearance or Possible Demolished Building, north of Ty'n-ffynnon (Asset 42)	Negligible	Removal of asset	Adverse, Permanent	Major	Slight adverse	Development of an archaeological mitigation strategy which would be developed in consultation with relevant stakeholders, to undertake a series of mitigation works which could potentially include targeted archaeological watching brief, targeted excavation and targeted strip map and sampling.	Negligible	Neutral
Building (Site of), south of Erw-goch (Asset 43)	Negligible	Removal of asset	Adverse, Permanent	Major	Slight adverse	Targeted watching brief	Negligible	Neutral
Building, south-east of Pandy Erw-goch (Asset 53)	Negligible	Removal of asset	Adverse, Permanent	Major	Slight adverse	Targeted watching brief	Negligible	Neutral
Capel Pont yr Arw Burial Ground, Llanfachraeth (Asset 55)	Medium	While construction would result in noise and visual intrusion to the north-east, the key attribute of this asset's setting, its relationship to Pandy Erw Goch, Llanfachraeth (Asset 56), would be maintained.	Adverse, Short-term	Negligible	Neutral	None proposed	Negligible	Neutral
St Machraeth's Church Graveyard (Asset 113)	Medium	Construction works for the scheme would introduce visual intrusion into the setting of the graveyard, detracting from its semi-rural character, however the relationship of the graveyard with the church (Asset 114), the key attribute of its setting which contributes to value, would not be affected.	Adverse, Short-term	Minor	Slight adverse	None proposed	Minor	Slight adverse

Receptor (or group of receptors)	Value of receptor(s)	Description of potential effect	Nature of effect(s)	Potential magnitude of change	Potential significance of effect	Additional mitigation	Post-mitigation magnitude of change	Significance of residual effect
Geophysical Anomaly, Bedo (Asset 350)	Low	Removal of asset	Adverse, Permanent	Major	Slight adverse	Development of an archaeological mitigation strategy which would be developed in consultation with relevant stakeholders, to undertake a series of mitigation works which could potentially include targeted archaeological watching brief, targeted excavation and targeted strip map and sampling.	Negligible	Neutral
Two Burnt Mounds, Llanfachraeth (Asset 351)	Medium	Removal of asset	Adverse, Permanent	Major	Large adverse	Excavation and targeted watching brief	Minor	Slight adverse
Possible Mill Feature, Melin Bodronyn (Asset 357)	Low	Partial removal of asset	Adverse, Permanent	Moderate	Slight adverse	Targeted watching brief	Negligible	Neutral
Field System, Erw-goch (Asset 358)	Low	Removal of asset	Adverse, Permanent	Major	Slight adverse	Targeted watching brief	Negligible	Neutral
Former Field System, Fron-deg (Asset 359)	Low	Removal of asset	Adverse, Permanent	Major	Slight adverse	Targeted watching brief	Negligible	Neutral
North-south and east-west Former Field Boundaries, Bedo (Asset 364)	Negligible	Removal of asset	Adverse, Permanent	Major	Slight adverse	Recording undertaken during trial trenching has mitigated the impact on this asset	Negligible	Neutral
North-west/south-east Former Field Boundary, Llanfachraeth (Asset 365)	Negligible	Removal of asset	Adverse, Permanent	Major	Slight adverse	Recording undertaken during trial trenching has mitigated the impact on this asset	Negligible	Neutral
Ditched boundary and Furrow (Site of), east of St Machraeth's Church (Asset 414)	Negligible	Removal of asset	Adverse, Permanent	Major	Slight adverse	Targeted watching brief	Negligible	Neutral
Ditches and Hedgerow Features, west of Llanfachraeth (Asset 417)	Negligible	Removal of asset	Adverse, Permanent	Major	Slight adverse	Excavation	Negligible	Neutral

Receptor (or group of receptors)	Value of receptor(s)	Description of potential effect	Nature of effect(s)	Potential magnitude of change	Potential significance of effect	Additional mitigation	Post-mitigation magnitude of change	Significance of residual effect
Possible Standing Stone Socket, north of Bedo (Asset 418)	Low	Removal of asset	Adverse, Permanent	Major	Slight adverse	Excavation	Minor	Slight adverse
Hedgerow (Site of), south of Bedo (Asset 419)	Negligible	Removal of asset	Adverse, Permanent	Major	Slight adverse	Excavation	Minor	Slight adverse
Fire Pit, Former Hedgerows and Posthole, south of Erw-goch (Asset 421)	Low	Removal of asset	Adverse, Permanent	Major	Moderate adverse	Targeted watching brief	Negligible	Slight adverse
Pit and Curvilinear Feature, south of Erw-Goch (Asset 425)	Negligible	Removal of asset	Adverse, Permanent	Major	Slight adverse	Targeted watching brief	Negligible	Neutral
Hedgerows (Site of), west of Bedo (Asset 429)	Negligible	Removal of asset	Adverse, Permanent	Major	Slight adverse	None proposed	Major	Slight adverse
Llanfachraeth Burnt Mound 2 (Asset 432)	Medium	Removal of asset	Adverse, Permanent	Major	Large adverse	Excavation	Minor	Slight adverse
Irregular Ditch, south-east of Tan-y-brynn (Asset 434)	Negligible	Removal of asset	Adverse, Permanent	Major	Slight adverse	Recording undertaken during trial trenching has mitigated the impact on this asset	Negligible	Neutral
Parallel Linear Features, north of Llanfachraeth (Asset 435)	Negligible	Removal of asset	Adverse, Permanent	Major	Slight adverse	Targeted watching brief	Negligible	Neutral
Former Field Boundary, south of Erw-goch (Asset 437)	Negligible	Removal of asset	Adverse, Permanent	Major	Slight adverse	Targeted watching brief	Negligible	Neutral
Possible Archaeological Anomaly, Llanfachraeth (Asset 438)	Low	Removal of asset	Adverse, Permanent	Major	Slight adverse	Targeted watching brief	Negligible	Slight adverse
Water Management Feature (Asset 443)	Low	Removal of asset	Adverse, Permanent	Major	Slight adverse	Targeted watching brief	Negligible	Neutral
Section 5: Llanfaethlu								

Receptor (or group of receptors)	Value of receptor(s)	Description of potential effect	Nature of effect(s)	Potential magnitude of change	Potential significance of effect	Additional mitigation	Post-mitigation magnitude of change	Significance of residual effect
Capel Soar Standing Stone (Asset 146)	High	Construction activities would result in noise and visual intrusion on the setting of this asset, detracting from its rural character. However, the key attributes of its setting, its prominent location on a north/south ridge to the immediate east of the existing A5025, and extensive views across enclosed farmland to the east would be maintained.	Adverse, Short-term	Moderate	Moderate adverse	None proposed	Moderate	Moderate adverse
Capel Soar Burial Ground (Asset 148)	Medium	Whilst construction works for the proposed scheme would be intrusive to the setting of the asset, resulting in noise and visual intrusion, there are limited views to the west due to boundary hedge between the asset and the existing A5025 west. The key attribute of this asset's setting comprising its relationship with Capel Soar (Asset 147) would be maintained.	Adverse, Short-term	Minor	Slight adverse	None proposed	Minor	Slight adverse
Forking Trackway (Site of), Capel Soar (Asset 152)	Negligible	Removal of asset	Adverse, Permanent	Major	Slight adverse	Development of an archaeological mitigation strategy which would be developed in consultation with relevant stakeholders, to undertake a series of mitigation works which could potentially include targeted archaeological watching brief, targeted excavation and targeted strip map and sampling.	Negligible	Neutral
Disused Lime Kiln, north-west of Black Lion Inn (Asset 153)	Negligible	While construction works for the proposed scheme and Ecological Mitigation Area would result in noise and visual intrusion on the immediate setting of this asset, its value rests principally in its historic fabric which would not be affected.	Adverse, Short-term	Negligible	Neutral	Photographic survey to document current setting Installation of suitable exclusion fencing at a suitable location within the order limits before construction commences in that area. The exclusion fencing will remain in place for the duration of all construction activities immediately adjacent to this asset.	Negligible	Neutral

Receptor (or group of receptors)	Value of receptor(s)	Description of potential effect	Nature of effect(s)	Potential magnitude of change	Potential significance of effect	Additional mitigation	Post-mitigation magnitude of change	Significance of residual effect
House (Site of), south of Fadog Frech (Asset 156)	Negligible	Partial removal of asset	Adverse, Permanent	Minor	Slight adverse	Development of an archaeological mitigation strategy which would be developed in consultation with relevant stakeholders, to undertake a series of mitigation works which could potentially include targeted archaeological watching brief, targeted excavation and targeted strip map and sampling.	Negligible	Neutral
Linear Bank, south-west of Rhos-ty-mawr (Asset 162)	Negligible	Removal of asset	Adverse, Permanent	Major	Slight adverse	Strip, map and sample and targeted watching brief	Negligible	Neutral
Possible Field System (Asset 354)	Low	Partial removal of asset	Adverse, Permanent	Moderate	Slight adverse	Strip, map and sample	Negligible	Neutral
Possible Pit Cluster, Llanfaethlu (Asset 360)	Medium	Removal of asset	Adverse, Permanent	Major	Large adverse	Strip, map and sample	Minor	Slight adverse
Possible Gully, Llanfaethlu (Asset 371)	Negligible	Removal of asset	Adverse, Permanent	Major	Slight adverse	Targeted watching brief	Negligible	Neutral
Undated Parallel Features (Asset 408)	Low	Removal of asset	Adverse, Permanent	Major	Slight adverse	Targeted watching brief	Negligible	Neutral
Undated Post Holes (Asset 409)	Low	Removal of asset	Adverse, Permanent	Major	Slight adverse	Strip, map and sample	Minor	Slight adverse
Fadog Frech Possible Stock Management/Settlement Features (Asset 410)	Low	Removal of asset	Adverse, Permanent	Major	Slight adverse	Development of an archaeological mitigation strategy which would be developed in consultation with relevant stakeholders, to undertake a series of mitigation works which could potentially include targeted archaeological watching brief, targeted excavation and targeted strip map and sampling	Minor	Slight adverse
North-east/south-west Former Field Boundaries, Llanfaethlu (Asset 428)	Negligible	Removal of asset	Adverse, Permanent	Major	Slight adverse	Strip, map and sample	Negligible	Neutral

Receptor (or group of receptors)	Value of receptor(s)	Description of potential effect	Nature of effect(s)	Potential magnitude of change	Potential significance of effect	Additional mitigation	Post-mitigation magnitude of change	Significance of residual effect
East-west Ditch, south-west of Capel Soar Standing Stone (Asset 431)	Negligible	Removal of asset	Adverse, Permanent	Major	Slight adverse	Strip, map and sample	Negligible	Neutral
Possible Undated Pit (Asset 433)	Low	Removal of asset	Adverse, Permanent	Major	Slight adverse	Strip, map and sample	Negligible	Neutral
Llanfaethlu Multiperiod Activity (Asset 440)	Medium	Removal of asset	Adverse, Permanent	Major	Large adverse	Strip, map and sample	Minor	Slight adverse
Undated Linear Feature (Asset 441)	Low	Removal of asset	Adverse, Permanent	Major	Slight adverse	Targeted watching brief	Negligible	Neutral
Undated Parallel Linear Features (Asset 442)	Low	Removal of asset	Adverse, Permanent	Major	Slight adverse	Strip, map and sample	Negligible	Neutral
Undated Linear Feature (Asset 444)	Low	Partial removal of asset	Adverse, permanent	Moderate	Slight adverse	Strip, map and sample	Negligible	Neutral
Section 7: Cefn Coch								
Two Small Orthostatic Stones on Slight Mound, south of Ty'n Felin (Asset 241)	Medium	Construction of the scheme to the west of the asset would result in noise and visual intrusion on its setting, detracting from its rural character. However, road noise from the existing A5025 already forms part of this asset's setting and its value and topographic location would be maintained.	Adverse, short-term	Moderate	Moderate adverse	None proposed	Moderate	Moderate adverse
Mill Pond and Head Race (Site of), Pandy Cefn Coch (Asset 262)	Low	Partial removal of asset	Adverse, permanent	Minor	Slight adverse	Photographic survey. Development of an archaeological mitigation strategy which would be developed in consultation with relevant stakeholders, to undertake a series of mitigation works which could potentially include targeted archaeological watching brief, targeted excavation and targeted strip map and sampling	Negligible	Neutral
Former Road (Asset 356)	Negligible	Removal of asset	Adverse, permanent	Major	Slight adverse	Targeted watching brief	Negligible	Neutral
Possible Mill Feature, Melin Bodronyn (Asset 357)	Low	Partial removal of asset	Adverse, permanent	Moderate	Slight adverse	Targeted watching brief	Negligible	Neutral

Receptor (or group of receptors)	Value of receptor(s)	Description of potential effect	Nature of effect(s)	Potential magnitude of change	Potential significance of effect	Additional mitigation	Post-mitigation magnitude of change	Significance of residual effect
East-west Former Field Boundary, Tyddyn-Waen (Asset 366)	Negligible	Removal of asset	Adverse, permanent	Major	Slight adverse	Targeted watching brief	Negligible	Neutral
North-west / south-east Former Field Boundary, Tyddyn-Waen (Asset 367)	Negligible	Removal of asset	Adverse, permanent	Major	Slight adverse	Recording undertaken during trial trenching has mitigated the impact on this asset	Negligible	Neutral
East-west Former Field Boundary, Ty-croes (Asset 368)	Negligible	Removal of asset	Adverse, permanent	Major	Slight adverse	Targeted watching brief	Negligible	Neutral
Undated Linear Feature (Asset 444)	Low	Removal of asset	Adverse, permanent	Major	Slight adverse	Strip. Map and sample	Negligible	Neutral
Power Station Access Road Junction								
Ditches, Groesfechan (Asset 415)	Low	Removal of asset	Adverse, Permanent	Major	Slight adverse	Recording undertaken during trial trenching has mitigated the impact on this asset.	Negligible	Neutral
Operation Effects								
Section 1: Valley								
No effects on known archaeological remains have been identified.								
Section 3: Llanfachraeth								
Capel Pont yr Arw Burial Ground, Llanfachraeth (Asset 55)	Medium	The proposed scheme would be visible in views from the asset to the north-east, but would not be a dominant element in these views and would be seen in the context of the current A5025. Views in other directions would be unaffected. The key attribute of the graveyard's setting, its relationship to the chapel (Asset 56) would be maintained.	Adverse, Long-term, Permanent	Negligible	Neutral	None proposed	Negligible	Neutral

Receptor (or group of receptors)	Value of receptor(s)	Description of potential effect	Nature of effect(s)	Potential magnitude of change	Potential significance of effect	Additional mitigation	Post-mitigation magnitude of change	Significance of residual effect
St Machraeth's Church Graveyard (Asset 113)	Medium	Whilst operation of the scheme would introduce visual intrusion within the setting of the graveyard to the east, it would be seen in the context of the existing A5025 which forms a notable element in the asset's setting immediately to the east and would not diminish our understanding of the asset. The relationship with the church (Asset 114) which is the key attribute of the graveyards setting which contributes to value, would be maintained.	Adverse, Long-term, Permanent	Negligible	Neutral	None proposed	Negligible	Neutral
Section 5: Llanfaethlu								
Capel Soar Standing Stone (Asset 146)	High	Whilst operation of the proposed scheme would increase the prominence of highways infrastructure within the asset's setting, realignment of the road to the west of the asset would reduce intrusion from traffic in the immediate vicinity of the standing stone. Operation of the scheme would not diminish the asset's value or prominence in the landscape.	Adverse, Permanent	Moderate	Moderate adverse	None proposed	Moderate	Moderate adverse
Capel Soar Burial Ground (Asset 148)	Medium	The presence and operation of the proposed scheme would slightly increase the intrusion from highways infrastructure on the setting of the burial ground, however, the key attribute of the asset's setting comprising its relationship with Capel Soar (Asset 147) would be maintained.	Adverse, Long-term, Permanent	Minor	Slight adverse	None proposed	Minor	Slight adverse
Disused Lime Kiln, north-west of Black Lion Inn (Asset 153)	Negligible	Whilst the proposed scheme would bring the A5025 closer to the asset, views to the east already include elements of highways infrastructure and this would not diminish the asset's value.	Adverse, Long-term	Negligible	Neutral	None proposed	Negligible	Neutral
Section 7: Cefn Coch								
Two Small Orthostatic Stones on Slight Mound, south of Ty'n Felin (Asset 241)	Medium	The presence and operation of the proposed scheme on embankment to the west of the asset, would result in visual intrusion on the setting of the asset.	Adverse, Permanent	Moderate	Moderate adverse	None proposed	Moderate	Moderate adverse
Power Station Access Road Junction								
No effects on known archaeological remains have been identified.								

Historic buildings

Receptor (or group of receptors)	Value of receptor(s)	Description of potential effect	Nature of effect	Potential magnitude of change	Potential significance of effect	Additional mitigation	Post-mitigation magnitude of change	Significance of residual effect
Construction Effects								
Section 1: Valley								
No effects on historic buildings have been identified.								
Section 3: Llanfachraeth								
Building, south of Erw-goch (Asset 45)	Negligible	The presence of construction works within fields approximately 90m to the east of the asset would result in intrusion on its setting and diminish understanding of its relationship to the rural landscape. Its roadside setting would continue to be understood.	Adverse, Short-term	Minor	Neutral	None proposed	Minor	Neutral
Erw-goch (Asset 49)	Low	The construction of the road embankment and bridge approximately 70m to the east of the heritage asset would result in temporary visual intrusion, altering the rural character of its setting.	Adverse, Short-term	Moderate	Slight adverse	None proposed	Moderate	Slight adverse
Pandy Erw Goch, Llanfachraeth (Asset 54)	Low	Temporary visual intrusion on the setting of the mill would result from activities associated with the construction of the embanked road and bridge over the Afon Alaw. The presence of the construction works would diminish the relationship between the mill and the rural landscape to the east; however the key relationship of the mill and watercourse would not be affected, maintaining the understanding and value of the asset.	Adverse, Short-term	Minor	Slight adverse	None proposed	Minor	Slight adverse
Capel Pont yr Arw (Asset 56)	Medium	Construction of the scheme would result in temporary intrusion on views from the principal elevation of the chapel and associated burial ground (Asset 55), detracting from the semi-rural character of its setting. The landmark role of the chapel on the edge of Llanfachraeth and its group value with the burial ground would be maintained.	Adverse, Short-term	Negligible	Neutral	None proposed	Negligible	Neutral

Receptor (or group of receptors)	Value of receptor(s)	Description of potential effect	Nature of effect	Potential magnitude of change	Potential significance of effect	Additional mitigation	Post-mitigation magnitude of change	Significance of residual effect
Tyn Gamfa (Asset 57)	Low	Whilst construction of the scheme would result in temporary visual intrusion on the asset's setting, the roadside setting of this modest cottage would continue to be understood.	Adverse, Short-term	Negligible	Neutral	None proposed	Negligible	Neutral
Bedo-fawr (Asset 60)	Low	Construction of the scheme through pasture fields approximately 50m to the west of the asset would sever the relationship between the farm and Llanfachraeth, and result in noise and visual intrusion on its rural setting from the rural character of its setting due to temporary noise and visual intrusion. Views from the principal elevation of the farmhouse to the east would be maintained.	Adverse, Short-term	Moderate	Slight adverse	None proposed	Moderate	Slight adverse
Bryn (Asset 85)	Low	Construction activities would result in temporary visual intrusion on the asset's setting, detracting from its rural character.	Adverse, Short-term	Negligible	Neutral	None proposed	Negligible	Neutral
St Machraeth's Church (Asset 114)	Medium	Construction works for the scheme would form an intrusive element in the setting of the church, detracting from its rural character and resulting in intrusion in views from the churchyard to the east. The group value of the church, graveyard (Asset 113) and Rectory (Asset 115) would not be affected.	Adverse, Short-term	Minor	Slight adverse	None proposed	Minor	Slight adverse
The Rectory, north of St Machraeth's Church (Asset 115)	Low	Construction works for the scheme would form an intrusive element in the setting of the Rectory detracting from its rural setting to the east. The relationship of the Rectory, church (Asset 114) and graveyard (Asset 113) would not be affected. The prominence of the Rectory in views from the existing A5025 would not be affected.	Adverse, Short-term	Negligible	Neutral	None proposed	Negligible	Neutral
Pen-y-groes (Asset 122)	Negligible	Construction of the scheme would be visible from the principal elevation of the asset, resulting in temporary noise and visual intrusion on its setting.	Adverse, Short-term	Minor	Neutral	None proposed	Minor	Neutral
Section 5: Llanfaethlu								
Ty'n-llech (Asset 144)	Low	Construction works would result in temporary noise and visual intrusion on the setting of this asset, interrupting views from the principal elevation and detracting from its rural roadside character.	Adverse, Short-term	Moderate	Slight adverse	None proposed	Moderate	Slight adverse

Receptor (or group of receptors)	Value of receptor(s)	Description of potential effect	Nature of effect	Potential magnitude of change	Potential significance of effect	Additional mitigation	Post-mitigation magnitude of change	Significance of residual effect
Capel Soar (Asset 147)	Low	Construction works for the proposed scheme would be intrusive to the setting of the asset, resulting in temporary noise and visual intrusion, detracting from the semi-rural character of its setting and temporarily diminishing the building's prominence.	Adverse, Short-term	Moderate	Slight adverse	None proposed	Moderate	Slight adverse
Siop Soar (Asset 149)	Medium	Construction works would be intrusive to the setting of the asset, resulting in temporary noise and visual intrusion, and detracting from the semi-rural character of its setting. The relationship of the asset with the Black Lion Inn (Asset 150) would not be affected.	Adverse, Short-term	Moderate	Moderate adverse	None proposed	Moderate	Moderate adverse
Black Lion Inn, Llanfaethlu (Asset 150)	Medium	Construction works would be intrusive to the setting of the asset, resulting in temporary noise and visual intrusion, and detracting from the semi-rural character of its setting. The relationship of the asset with Siop Soar (Asset 149) would not be affected.	Adverse, Short-term	Moderate	Moderate adverse	None proposed	Moderate	Moderate adverse
Milk Churn Stand, south-west of Fadog Frech (Asset 151)	Negligible	Removal of asset	Adverse, Permanent	Major	Slight adverse	Photographic survey to document form and setting	Minor	Neutral
Tan-y-Bryn (Asset 158)	Low	Construction works would form an intrusive element in the asset's setting, resulting in temporary intrusion in views from the asset across the rural landscape and detracting from the rural character of its setting.	Adverse, Short-term	Minor	Slight adverse	None proposed	Minor	Slight adverse
Caer-Bryniau and Outbuildings (Asset 163)	Low	Construction works would form an intrusive element in the asset's setting, resulting in visual intrusion and detracting from its rural character.	Adverse, Short-term	Minor	Slight adverse	None proposed	Minor	Slight adverse
Rhos-ty-mawr (Asset 173)	Low	Construction of the scheme in cutting approximately 20m to the rear of the asset would sever the farm complex from the rural landscape to the east and result in noise and visual intrusion on its setting. The value of the asset deriving from its historic fabric would be maintained.	Adverse, Short-term	Moderate	Slight adverse	None proposed	Moderate	Slight adverse

Receptor (or group of receptors)	Value of receptor(s)	Description of potential effect	Nature of effect	Potential magnitude of change	Potential significance of effect	Additional mitigation	Post-mitigation magnitude of change	Significance of residual effect
St Maethlu's Church (Asset 176)	High	Construction activities would be visible in long views from the church across the surrounding landscape to the east and south-east. Although noticeable within the church's setting, this would be seen in the context of modern development within Llanfaethlu, traffic on the existing A5025, and existing infrastructure, and key views of the church from the A5025 and its relationship with the settlement of Llanfaethlu would not be affected.	Adverse, Short-term	Negligible	Slight adverse	None proposed	Negligible	Slight adverse
Ty'n-y-buarth (Asset 178)	Negligible	Whilst construction activities would result in temporary intrusion on the asset's roadside setting, its value derives principally from its historic fabric and would not be affected by the works.	Adverse, Short-term	Negligible	Neutral	None proposed	Negligible	Neutral
Ty'n-yr-ardd (Asset 179)	Negligible	Construction activities would result in temporary intrusion on the asset's roadside setting, however, our understanding of it as a modest roadside worker's cottage would be maintained.	Adverse, Short-term	Minor	Slight adverse	None proposed	Minor	Slight adverse
Section 7: Cefn Coch								
Ty'n Felin (Asset 242)	Low	Construction of the scheme on embankment approximately 40m from the asset would sever the asset from the rural landscape to the west and result in noise and visual intrusion on its setting. The value of the asset deriving from its historic fabric and its relationship with adjacent historic buildings (Assets 243 and 244) and the former mill race (Asset 246) would be maintained.	Adverse, Short-term	Moderate	Slight adverse	None proposed	Moderate	Slight adverse
Melin Ty'n y Felin, Possible Former Site of, Cylch y Garn (Asset 243)	Medium	Construction of the scheme on embankment approximately 40m from the asset would sever the asset from the rural landscape to the west and result in noise and visual intrusion on its setting. The value of the asset deriving from its historic fabric and its relationship with adjacent historic buildings (Assets 242 and 244) and the former mill race (Asset 246) would be maintained.	Adverse, Short-term	Moderate	Moderate adverse	None proposed	Moderate	Moderate adverse

Receptor (or group of receptors)	Value of receptor(s)	Description of potential effect	Nature of effect	Potential magnitude of change	Potential significance of effect	Additional mitigation	Post-mitigation magnitude of change	Significance of residual effect
Seilo Welsh Independent Chapel, Cefn Coch (Asset 252)	Low	Construction works would result in temporary visual intrusion on the asset's setting; however its understanding as an isolated rural chapel would be maintained.	Adverse, Short-term	Negligible	Neutral	None proposed	Negligible	Neutral
Carreg Cam (Asset 253)	Low	Construction of the scheme would result in temporary intrusion from construction works and detract from the rural character of the asset's setting; however the value deriving from its historic fabric would be maintained.	Adverse, Short-term	Negligible	Neutral	None proposed	Negligible	Neutral
Cefn Coch House, Llanfechell (Asset 258)	Medium	Construction of the scheme would result in temporary intrusion from construction works and detract from the rural character of the asset's setting. The relationship of Cefn Coch with the surrounding historic buildings would be maintained, as would views from the principal elevation.	Adverse, Short-term	Minor	Slight adverse	None proposed	Minor	Slight adverse
Surviving Outbuildings, Cefn Coch (Asset 259)	Low	Construction of the scheme would result in temporary intrusion from construction works and detract from the rural character of the asset's setting. The relationship of the asset with Cefn Coch and associated historic buildings (Asset 260) would be maintained.	Adverse, Short-term	Minor	Slight adverse	None proposed	Minor	Slight adverse
Barn, south-east of Cefn Coch (Asset 260)	Low	Construction of the scheme would result in temporary intrusion from construction works and detract from the rural character of the asset's setting. The relationship of the asset with Cefn Coch and associated historic buildings (Asset 259) would be maintained.	Adverse, Short-term	Minor	Slight adverse	None proposed	Minor	Slight adverse
Pandy Cefn Coch, Cylch y Garn (Asset 264)	Medium	Temporary intrusion on the asset's setting would result from construction of the scheme; however the value deriving from its fabric and its relationship to the associated mill structures and remains would be maintained.	Adverse, Short-term	Negligible	Neutral	None proposed	Negligible	Neutral

Receptor (or group of receptors)	Value of receptor(s)	Description of potential effect	Nature of effect	Potential magnitude of change	Potential significance of effect	Additional mitigation	Post-mitigation magnitude of change	Significance of residual effect
Pandy, north of Pandy Cefn Coch (Asset 267)	Negligible	Temporary intrusion on the asset's setting would result from construction of the scheme; however the value deriving from its fabric and its relationship to the associated mill structures and remains would be maintained.	Adverse, Short-term	Negligible	Neutral	None proposed	Negligible	Neutral
Power Station Access Road Junction								
Groesfechan (Asset 289)	Medium	Key contributors to the value of this asset are its potential preservation of medieval fabric and, to a lesser extent, its rural setting. Construction activities for the scheme would introduce temporary noise and visual intrusion, however there would be no physical impact on the structure.	Adverse, Short-term	Minor	Slight adverse	None proposed	Minor	Slight adverse
Operation Effects								
Section 1: Valley								
No effects on historic buildings have been identified.								
Section 3: Llanfachraeth								
Building, south of Erw-goch (Asset 45)	Negligible	The presence of the proposed scheme would result in intrusion on the rural character of the asset's setting.	Adverse, Long-term	Minor	Neutral	None proposed	Minor	Neutral
Erw-goch (Asset 49)	Low	The presence of the embanked road and bridge approximately 70m to the east of the asset would detract from our understanding of the asset's relationship with the rural landscape to the east, and introduce visual intrusion into its setting to the east, detracting from the rural aspect which contributes to its understanding as a farmhouse.	Adverse, Long-term	Minor	Slight Adverse	None proposed	Minor	Slight adverse
Pandy Erw Goch, Llanfachraeth (Asset 54)	Low	The presence of the embanked road and bridge over the Afon Alaw would form an intrusive new element within the mill's setting, detraction from its semi-rural setting; however this would not detract from the key relationship between the mill and Afon Alaw, which contributes to its value and understanding.	Adverse, Long-term	Negligible	Slight adverse	None proposed	Negligible	Slight adverse

Receptor (or group of receptors)	Value of receptor(s)	Description of potential effect	Nature of effect	Potential magnitude of change	Potential significance of effect	Additional mitigation	Post-mitigation magnitude of change	Significance of residual effect
Tyn Gamfa (Asset 57)	Low	The proposed scheme would form an intrusive element in the rural landscape to the east of the asset, however would not detract from our understanding of this as a modest roadside worker's cottage.	Adverse, Long-term	Negligible	Neutral	None proposed	Negligible	Neutral
Bedo-fawr (Asset 60)	Low	The presence and operation of the proposed scheme would sever the relationship between the farm and the village of Llanfachraeth to the west, and form an intrusive element in the asset's rural setting and result in noise intrusion. The rural setting of the farm would, however, continue to be understood.	Adverse, Long-term	Minor	Slight adverse	None proposed	Minor	Slight adverse
Bryn (Asset 85)	Low	The presence and operation of the proposed scheme would form an intrusive element in the asset's rural setting and result in noise intrusion. The rural setting of the farm would, however, continue to be understood.	Adverse, Long-term	Negligible	Neutral	None proposed	Negligible	Neutral
St Machraeth's Church (Asset 114)	Medium	The presence and operation of the scheme would form an intrusive element within the setting of the church, detracting from its rural character to the east and its appreciation as a small-scale rural chapel. The relationship of the church, graveyard (Asset 113) and Rectory (Asset 115) would be maintained.	Adverse, Long-term	Minor	Slight adverse	None proposed	Minor	Slight adverse
The Rectory, north of St Machraeth's Church (Asset 115)	Low	The presence and operation of the scheme would form an intrusive element within the setting of the Rectory detracting from its rural character to the east, and detracting from its appreciation as a small-scale rural chapel. The relationship of the Rectory, church (Asset 114) and graveyard (Asset 113) would be maintained.	Adverse, Long-term	Negligible	Neutral	None proposed	Negligible	Neutral

Section 5: Llanfaethlu

Receptor (or group of receptors)	Value of receptor(s)	Description of potential effect	Nature of effect	Potential magnitude of change	Potential significance of effect	Additional mitigation	Post-mitigation magnitude of change	Significance of residual effect
Capel Soar (Asset 147)	Low	During operation of the proposed scheme, the presence of the scheme would result in a noticeable change to the chapel's semi-rural setting, increasing the prominence of modern highways infrastructure. Whilst the road would form an intrusive element in views from the chapel across the rural landscape to the west, landscaping measures, including slackening of embankment slopes and native shrub planting along the scheme would aid its integration into the surrounding landscape. The value of this heritage asset as an isolated rural chapel would continue to be understood, and views of the chapel's principal elevation would be possible from the scheme, maintaining its landmark role. The value deriving from its architectural and historic interest and its group value with Capel Soar Standing Stone, Siop Soar and the Black Lion Inn (Assets 146, 149 and 150) would be maintained.	Adverse, Long-term	Minor	Slight adverse	None proposed	Minor	Slight adverse
Siop Soar (Asset 149)	Medium	During operation, the presence of the scheme would result in a noticeable change to the heritage asset's semi-rural setting, increasing the prominence of modern highways infrastructure. Whilst the road would form an intrusive element in views from the heritage asset across the rural landscape to the west, landscaping measures, including the use of hedgerow boundaries to reinforce the remnant field pattern and shrub planting on embankment slopes to soften their appearance would aid the scheme's integration into the surrounding landscape. The heritage asset's architectural and historic value as an example of 19th century vernacular terraced cottages and its group value with the Black Lion Inn (Asset 150) would be maintained.	Adverse, Long-term	Minor	Slight adverse	None proposed	Minor	Slight adverse

Receptor (or group of receptors)	Value of receptor(s)	Description of potential effect	Nature of effect	Potential magnitude of change	Potential significance of effect	Additional mitigation	Post-mitigation magnitude of change	Significance of residual effect
Black Lion Inn, Llanfaethlu (Asset 150)	Medium	During operation, the presence of the scheme would result in a noticeable change to the heritage asset's semi-rural setting, increasing the prominence of modern highways infrastructure. Whilst the road would form an intrusive element in views from the heritage asset across the rural landscape to the west, landscaping measures, including the use of hedgerow boundaries to reinforce the remnant field pattern and shrub planting on embankment slopes to soften their appearance would aid the scheme's integration into the surrounding landscape. The heritage asset's architectural and historic value as traditional inn and its group value with Siop Soar (Asset 149) would be maintained.	Adverse, Long-term	Minor	Slight adverse	None proposed	Minor	Slight adverse
Tan-y-Bryn (Asset 158)	Low	While the scheme would increase the prominence of highways infrastructure, this would not detract from our understanding of the asset's historic relationship with the surrounding rural landscape.	Adverse, Long-term	Negligible	Neutral	None proposed	Negligible	Neutral
Caer-Bryniau and Outbuildings (Asset 163)	Low	While the scheme would increase the prominence of highways infrastructure, this would not detract from our understanding of the group value of the asset or its historic relationship with the surrounding rural landscape.	Adverse, Long-term	Negligible	Neutral	None proposed	Negligible	Neutral
Rhos-ty-mawr (Asset 173)	Low	The presence of the scheme would increase the prominence of highways infrastructure within the asset's setting, and sever the farm from the rural landscape to the east. The value of the asset deriving from its historic fabric would be maintained.	Adverse, Long-term	Moderate	Slight Adverse	None proposed	Moderate	Slight adverse
Section 7: Cefn Coch								
Ty'n Felin (Asset 242)	Low	The presence of the scheme would increase the prominence of highways infrastructure within the asset's setting, and sever the asset from the rural landscape to the east. The value of the asset deriving from its historic fabric and its relationship with adjacent historic buildings (Assets 243 and 244) and the former mill race (Asset 246) would be maintained.	Adverse, Long-term	Minor	Neutral	None proposed	Minor	Neutral

Receptor (or group of receptors)	Value of receptor(s)	Description of potential effect	Nature of effect	Potential magnitude of change	Potential significance of effect	Additional mitigation	Post-mitigation magnitude of change	Significance of residual effect
Melin Tyn y Felin, Possible Former Site of, Cylch y Garn (Asset 243)	Medium	The presence of the scheme would increase the prominence of highways infrastructure within the asset's setting, and sever the asset from the rural landscape to the east. The value of the asset deriving from its historic fabric and its relationship with adjacent historic buildings (Assets 242 and 244) and the former mill race (Asset 246) would be maintained.	Adverse, Long-term	Minor	Slight adverse	None proposed	Minor	Slight adverse
Carreg Cam (Asset 253)	Low	Operation of the scheme would increase the prominence of and intrusion from highways infrastructure within the asset's setting. The rural character of the asset's setting, however, would continue to be understood.	Adverse, Long-term	Negligible	Neutral	None proposed	Negligible	Neutral
Cefn Coch House, Llanfechell (Asset 258)	Medium	The scheme would increase the prominence of modern highway infrastructure within the setting of Cefn Coch, detracting from its rural character to the west. The relationship of Cefn Coch with the surrounding historic buildings would be maintained, as would views from the principal elevation.	Adverse, Long-term	Minor	Slight adverse	None proposed	Minor	Slight adverse
Surviving Outbuildings, Cefn Coch (Asset 259)	Low	The scheme would increase the prominence of modern highway infrastructure within the setting of Cefn Coch, detracting from its rural character to the west. The relationship of the asset with Cefn Coch and associated historic buildings (Asset 260) would be maintained, as would views from the principal elevation.	Adverse, Long-term	Minor	Slight adverse	None proposed	Minor	Slight adverse
Barn, south-east of Cefn Coch (Asset 260)	Low	The scheme would increase the prominence of modern highway infrastructure within the setting of Cefn Coch, detracting from its rural character to the west. The relationship of the asset with Cefn Coch and associated historic buildings (Asset 259) would be maintained, as would views from the principal elevation.	Adverse, Long-term	Minor	Slight adverse	None proposed	Minor	Slight adverse
Power Station Access Road Junction								
Groesfechan (Asset 289)	Medium	Key contributors to the value of this asset are its potential preservation of medieval fabric and, to a lesser extent, its rural setting. The presence of the Power Station Access Road would increase the prominence of highways within the asset's setting, however there would be no physical impact on the structure.	Adverse, Long-term	Negligible	Neutral	None proposed	Negligible	Neutral

Historic landscape types

Receptor (or group of receptors)	Value of receptor(s)	Section	Description of potential effect	Nature of effect	Potential magnitude of change	Potential significance of effect	Additional mitigation	Post-mitigation magnitude of change	Significance of residual effect
Construction effects									
Fieldscape, Central Eastern Mon (HLT 1)	High	Section 1: Valley; Section 3: Llanfachraeth; Section 5: Llanfaethlu; Section 7: Cefn Coch	While construction activities would remove field boundaries and change the historic landscape character of this HLT through change in land use and topography, this would not affect the legibility of this widespread and common HLT. Hedgerows identified as significant under <i>The Hedgerow Regulations 1997</i> would be removed from this type in the following study areas: <ul style="list-style-type: none"> Section 1 (Valley): four hedges; Section 3 (Llanfachraeth): 10 hedges; Section 5 (Llanfaethlu): 11 hedges. 	Adverse, Permanent	Minor	Slight adverse	Landscape photographic survey, Level 2 Historic Landscape survey of field boundaries	Negligible	Slight adverse
Cemlyn Coastal Strip (HLT 2)	Low	Power Station Access Road Junction	While construction activities would remove field boundaries and change the historic landscape character of this HLT through change in land use and topography, this would not affect the legibility of this widespread and common HLT.	Adverse, Permanent	Negligible	Neutral	Landscape photographic survey, Level 2 Historic Landscape survey of field boundaries	Negligible	Neutral

Receptor (or group of receptors)	Value of receptor(s)	Section	Description of potential effect	Nature of effect	Potential magnitude of change	Potential significance of effect	Additional mitigation	Post-mitigation magnitude of change	Significance of residual effect
Fieldscape, North-west Mon (HLT 3)	Medium	Section 5: Llanfaethlu; Section 7: Cefn Coch; Power Station Access Road Junction	While construction activities would remove field boundaries and change the historic landscape character of this HLT through change in land use and topography, this would not affect the legibility of this widespread and common HLT. Hedgerows identified as significant under <i>The Hedgerow Regulations 1997</i> would be removed from this type in the following study areas: <ul style="list-style-type: none">• Section 5 (Llanfaethlu): six hedges;• Section 7 (Cefn Coch): five hedges;• Power Station access road junction: one hedge.	Adverse, Permanent	Negligible	Neutral	Landscape photographic survey, Level 2 Landscape Survey of field boundaries	Negligible	Neutral
Llanfachraeth (HLT 4)	High	Section 3: Llanfachraeth	While construction activities would remove elements of HLT 4 and change the historic landscape character of this HLT through change in land use and topography, this would not affect the legibility of this HLT.	Adverse, Permanent	Negligible	Slight adverse	Landscape photographic survey, Level 2 Historic Landscape survey of boundaries	Negligible	Slight adverse
Operation Effects									
Fieldscape, Central Eastern Mon (HLT 1)	High	Section 1: Valley; Section 3: Llanfachraeth; Section 5: Llanfaethlu; Section 7: Cefn Coch	Impacts resulting from the partial removal of historic landscape elements during construction would continue into operation.	Adverse, Permanent	Minor	Slight adverse	None proposed	Minor	Slight adverse

Receptor (or group of receptors)	Value of receptor(s)	Section	Description of potential effect	Nature of effect	Potential magnitude of change	Potential significance of effect	Additional mitigation	Post-mitigation magnitude of change	Significance of residual effect
Cemlyn Coastal Strip (HLT 2)	Low	Power Station Access Road Junction	Impacts resulting from the partial removal of historic landscape elements during construction would continue into operation.	Adverse, Permanent	Negligible	Neutral	None proposed	Negligible	Neutral
Fieldscape, North-west Mon (HLT 3)	Medium	Section 5: Llanfaethlu; Section 7: Cefn Coch; Power Station Access Road Junction	Impacts resulting from the partial removal of historic landscape elements during construction would continue into operation.	Adverse, Permanent	Negligible	Neutral	None proposed	Negligible	Neutral
Llanfachraeth (HLT 4)	High	Section 3: Llanfachraeth	Impacts resulting from the partial removal of historic landscape elements during construction would continue into operation.	Adverse, Permanent	Negligible	Slight adverse	None proposed	Negligible	Slight adverse