



Moor Vannin Offshore Wind Farm Preliminary Environmental Information Impacts Register

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This document is part of a suite of preliminary environmental materials prepared to fulfil pre-application consultation requirements under The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 (of Parliament) as applied to the Island by the Climate Change (Infrastructure Planning) (Environmental Impact Assessment) (Application) Order 2024.

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1. Impacts Register Explained

Consent		Description							Scoping				Environmental Statement (Example)				
Consent	ID	Project Element	Original Project Phase	Project Activity and Impact	Maximum Design Scenario (MDS)	Justification for MDS	Receptor(s)	Commitments	Likely Significance of Effect at Scoping?	Proposed Approach	Further Evidence	Updates Since Scoping	Project position at ES	Justification for position at ES	Magnitude at ES	Sensitivity at ES	Likely Significant Effect at ES?
DCO / MIC or Both	Unique ID for each impact which can be used to refer between those impacts in the ES and those in the Impact Register.	Identifies that part of the Moor Vannin development where the impact is anticipated to arise.	Identifies the phase of the Moor Vannin development. I.e when the impact is anticipated to arise.	The impact and the activity that the impact arises from.	The Maximum Design Scenario (MDS) as defined by the technical consultant accounting for the Project Description at Scoping for the specific impact and activity.	The justification of why the MDS as defined is the MDS, providing reference to other development scenarios or options.	The receptors identified that may be effected by the impact.	Commitments that are relevant to reduce and/or eliminate Likely Significant Effects (LSE). Primary (Design) or Tertiary (Inherent) are commitments that are embedded within the assessment at the relevant point in the EIA. Secondary commitments may be incorporated to reduce LSE to acceptable levels following assessment.	Presents the findings of the EIA at Scoping. Assessed as LSE or No LSE.	Proposed process for presenting further evidence or assessment via either the ES (for LSE impacts) or the EPP (No LSE impacts).	Presents either: Any further baseline data or modelling to be collected or undertaken to inform assessments; or Position Papers to be provided through EPP.	Presents any updates to the Proposed Approach, including whether No LSE has been agreed via the EPP with the corresponding Decision Log ID.	Identifies the approach taken to the Impact within the ES.	Details the justification for the projects approach taken to the Impact at Scoping.	Identifies the expected magnitude of the impact considered within the ES, derived from topic-specific criteria.	Identifies the sensitivity of the receptor considered within the ES, derived from topic-specific criteria.	Presents the findings of the EIA within the ES.
Example																	
MIC	BE-02	All-Offshore	Operation	Long term seabed habitat loss/ disturbance due the presence of structures.	Presence of: Up to 100 WTGs on gravity based foundations; Up to 5 OSSs on piled jacket foundations; Associated scour protection. Up to 490 km of array cables; Up to 100 km of interlink cables; Up to 125 km of export cables; Up to 90 km of Offshore Electrical Connection	The MDS results in the greatest area of seabed affected by the presence of infrastructure.	Seabed habitats and sensitive species.	Tertiary Co7	LSE	Assessed in ES.	Site-specific benthic survey data.	No Change	LSE	Scoped into assessment at ES based on Scoping Opinion (DoI Scoping Opinion, Month 20XX, ID:X).	Minor	Medium	No significant effect (Slight adverse)

Impact Background								
Consent	ID	Project Element	Project Phase	Project Activity and Impact	Maximum Design Scenario (MDS)	Justification for MDS	Receptor(s)	Commitments
MIC	MP-01-C	All offshore	Construction	Increases in suspended sediment concentrations as a result of seabed preparation, cable installation, cable repair/replacement and decommissioning (pathway).	Up to 100 WTGs on suction caisson jacket foundations; Up to 5 OSSs on piled foundations; Up to 490 km of array cables; Up to 100 km of interlink cables; Up to 125 km of export cables; Up to 90 km of Offshore Electrical Connection Cable Cables installed using Mass Flow Excavation (or similar); and Landfall infrastructure installed in the intertidal using HDD (or other trenchless technique).	The MDS results in the greatest volume of excavated and/or disturbed seabed sediment.	N/A (pathway)	Primary: Co3 Tertiary: Co2 Co6
	MP-01-O	All offshore	Operation					
	MP-01-D	All offshore	Decommissioning					
MIC	MP-02-C	All offshore	Construction	Deposition of sediments resulting in bed-level changes as a result of seabed preparation, cable installation, cable repair/replacement and decommissioning (pathway).	Up to 100 WTGs on suction caisson jacket foundations; Up to 5 OSSs on piled foundations; Up to 490 km of array cables; Up to 100 km of interlink cables; Up to 125 km of export cables; Up to 90 km of Offshore Electrical Connection Cable Cables installed using Mass Flow Excavation (or similar); and Landfall infrastructure installed in the intertidal using HDD (or other trenchless technique).	The MDS results in the greatest volume of excavated and/or disturbed seabed sediment.	N/A (pathway)	Primary: Co3 Tertiary: Co2 Co6
	MP-02-O	All offshore	Operation					
	MP-02-D	All offshore	Decommissioning					
MIC	MP-03-C	All offshore	Construction	Modifications to seabed morphology as a result of seabed preparation, cable installation and decommissioning (pathway).	Up to 100 WTGs on suction caisson jacket foundations; Up to 5 OSSs on piled foundations; Up to 490 km of array cables; Up to 100 km of interlink cables; Up to 125 km of export cables; Up to 90 km of Offshore Electrical Connection Cable Cables installed using Mass Flow Excavation (or similar); and Landfall infrastructure installed in the intertidal using HDD (or other trenchless technique).	The MDS results in the greatest disturbance to the seabed.	N/A (pathway)	Primary: Co3 Tertiary: Co2 Co6
	MP-03-D	All offshore	Decommissioning					
MIC	MP-04-C	All offshore	Construction	Subsequent effects on sandbanks and notable bathymetric depressions as a result of seabed preparation, cable installation and decommissioning.	Up to 100 WTGs on suction caisson jacket foundations; Up to 5 OSSs on piled foundations; Up to 490 km of array cables; Up to 100 km of interlink cables; Up to 125 km of export cables; Up to 90 km of Offshore Electrical Connection Cable Cables installed using Mass Flow Excavation (or similar); and Landfall infrastructure installed in the intertidal using HDD (or other trenchless technique).	The MDS results in the greatest disturbance to the seabed.	Seabed features	Primary: Co3 Tertiary: Co2 Co6
	MP-04-D	All offshore	Decommissioning					
MIC	MP-05-C	Landfall	Construction	Modifications to littoral transport at landfall (pathway) as a result of the installation and decommissioning of cables at landfall.	Landfall infrastructure installed in the intertidal using HDD (or other trenchless technique).	The MDS results in the greatest potential for interaction with the seabed at landfall.	N/A (pathway)	Primary: Co3
	MP-05-D	Landfall	Decommissioning					
MIC	MP-06-C	Landfall	Construction	Subsequent effects on coastal behaviour and morphology at landfall.	Landfall infrastructure installed in the intertidal using HDD (or other trenchless technique).	The MDS results in the greatest potential for interaction with the seabed at landfall.	The coastline at the proposed landfall location.	Primary: Co3
	MP-06-D	Landfall	Decommissioning					
MIC	MP-07-O	All offshore	Operation	Modification of the wave and tidal regime due to the presence of structures (pathway).	Presence of up to 100 WTGs on suction caisson jacket foundations; Presence of up to 5 OSSs on suction caisson jacket foundations; and Presence of cable and scour protection.	The MDS is based on the largest foundation types which have the greatest potential for blockage effects.	N/A (pathway)	Primary: Co3 Tertiary: Co2

Scoping			
Likely Significant Effect identified at Scoping?	Proposed Approach	Further Evidence	Updates Since Scoping
No LSE (pathway)	Assessed in ES.	A validated hydrodynamic model will be developed to investigate sediment plume scenarios.	No change
No LSE (pathway)	Assessed in ES.	A validated hydrodynamic model will be developed to investigate sediment plume scenarios.	No change
No LSE (pathway)	Assessed in ES.	N/A	No change
LSE	Assessed in ES.	N/A	No change
No LSE (pathway)	Assessed in ES.	N/A	No change
LSE	Assessed in ES.	N/A	No change
No LSE (pathway)	Assessed in ES.	A validated hydrodynamic model will be developed to investigate potential impacts to the wave and tidal regime	No change

Impact Background								
Consent	ID	Project Element	Project Phase	Project Activity and Impact	Maximum Design Scenario (MDS)	Justification for MDS	Receptor(s)	Commitments
MIC	MP-08-O	All offshore	Operation	Subsequent modifications to the sediment transport regime due to the presence of structures(pathway).	Presence of up to 100 WTGs on suction caisson jacket foundations; Presence of up to 5 OSSs on suction caisson jacket foundations; and Presence of cable and scour protection.	The MDS is based on the largest foundation types which have the greatest potential for blockage effects, with subsequent effects on the sediment transport regime.	N/A (pathway)	Primary: Co3 Tertiary: Co2
MIC	MP-09-O	All offshore	Operation	Subsequent modifications to seabed morphology due to the presence of structures (pathway).	Presence of up to 100 WTGs on suction caisson jacket foundations; Presence of up to 5 OSSs on suction caisson jacket foundations; and Presence of cable and scour protection.	The MDS is based on the largest foundation types which have the greatest potential for blockage effects, with subsequent effects on seabed morphology..	N/A (pathway)	Primary: Co3 Tertiary: Co2
MIC	MP-10-O	All offshore	Operation	Subsequent effects due to the presence of structures on the coastline.	Presence of up to 100 WTGs on suction caisson jacket foundations; Presence of up to 5 OSSs on suction caisson jacket foundations; and Presence of cable and scour protection.	The MDS is based on the largest foundation types which have the greatest potential for blockage effects, with subsequent effects on seabed morphology..	The eastern coastline of the Isle of Man.	Primary: Co3 Tertiary: Co2
MIC	MP-11-O	All offshore	Operation	Scouring of the seabed due to the presence of structures (pathway)	Presence of up to 100 WTGs on suction caisson jacket foundations; and Presence of up to 5 OSSs on suction caisson jacket foundations.	The MDS is based on the largest foundation types which have the greatest potential for scour. The MDS excludes secondary scour around scour protection material.	N/A (pathway)	Primary: Co3 Tertiary: Co2
MIC	MP-12-O	Array	Operation	Modifications to stratification and frontal features due to the presence of structures.	Presence of up to 100 WTGs on suction caisson jacket foundations; Presence of up to 5 OSSs on suction caisson jacket foundations; and Presence of cable and scour protection.	The MDS is based on the largest foundation types which have the greatest potential for blockage effects.	The Irish Sea frontal system.	Primary: Co3 Tertiary: Co2
MIC	TBC	All offshore	Cumulative Effects	As above.	As above.	As above.	As above.	As above.
MIC	TBC	All offshore	Transboundary Effects	As above.	As above.	As above.	As above.	As above.
MIC	TBC	All offshore	Inter-related Effects	N/A	As above.	As above.	As above.	As above.

Scoping			
Likely Significant Effect identified at Scoping?	Proposed Approach	Further Evidence	Updates Since Scoping
No LSE (pathway)	Assessed in ES.	A validated hydrodynamic model will be developed to investigate potential impacts to the wave and tidal regime	No change
No LSE (pathway)	Assessed in ES.	A validated hydrodynamic model will be developed to investigate potential impacts to the wave and tidal regime	No change
LSE	Assessed in ES.	A validated hydrodynamic model will be developed to investigate potential impacts to the wave and tidal regime	No change
No LSE (pathway)	Assessed in ES.	N/A	No change
No LSE	Further evidence to be provided via the Evidence Plan process.	A baseline description including characterisation of the Irish Sea frontal system.	No LSE agreed through EPP (MP-D.1.01)
LSE	Assessed in ES.	As above.	No change
LSE	Assessed in ES.	As above.	No change
LSE	Assessed in ES.	As above.	No change

Consent	Impact Background							
	ID	Project Element	Original Project Phase	Project Activity and Impact	Maximum Design Scenario (MDS)	Justification for MDS	Receptor(s)	Commitments
MIC	WQ-01-C	All offshore	Construction	Deterioration in water quality due to suspension/re-suspension of sediments resulting from seabed preparation, cable installation, cable repair/replacement and decommissioning.	See Impacts Register for Marine Geology, Oceanography and Physical Processes.	The MDS is defined by the identification of pathway for increases in suspended sediments.	Designated and non-designated bathing waters.	Tertiary Co1 Co2 Co4 Co6 Co7
	WQ-01-O	All offshore	Operation					
	WQ-01-D	All offshore	Decommissioning					
MIC	WQ-02-C	All offshore	Construction	Release of sediment-bound contaminants from disturbed sediments resulting from seabed preparation, cable installation, cable repair/replacement and decommissioning.	See Impacts Register for Marine Geology, Oceanography and Physical Processes.	The MDS is defined by the identification of pathway for increases in suspended sediments, combined with the identification of contaminant levels from site-specific contaminants analysis.	Designated and non-designated bathing waters.	Tertiary Co4 Co6 Co7
	WQ-02-O	All offshore	Operation					
	WQ-02-D	All offshore	Decommissioning					
MIC	WQ-03-C	Landfall	Construction	Deterioration in water clarity due to the release of drilling mud during cable installation at landfall.	Landfall infrastructure installed in the intertidal using trenchless techniques (including HDD).	The MDS results in the potential release of drilling mud from cable installation at landfall.	Designated and non-designated bathing waters.	Tertiary Co4 Co7
MIC	WQ-04-C	All offshore	Construction	Accidental releases or spills of materials or chemicals during construction, operation and decommissioning.	Vessel traffic associated with construction, operational and decommissioning activities. See Impacts Register for Shipping and Navigation.	The MDS identifies the maximum number of structures maximum lengths of cable to be installed, requiring the greatest number of vessels and therefore the greatest potential for accidental pollution.	Designated and non-designated bathing waters.	Tertiary Co4 Co7
	WQ-04-O	All offshore	Operation					
	WQ-04-D	All offshore	Decommissioning					
MIC	WQ-05-O	All offshore	Operation	Deterioration in water quality due to re-suspension of sediments and contaminants resulting from scour around foundations during operation.	See Impacts Register for Marine Geology, Oceanography and Physical Processes.	The MDS is defined by the identification of pathway for increases in suspended sediments, combined with the identification of contaminant levels from site-specific contaminants analysis.	N/A as no LSE.	Tertiary Co1
MIC	TBC	All offshore	Cumulative Effects	As above.	As above.	As above.	As above.	As above.
MIC	TBC	All offshore	Transboundary Effects	As above.	As above.	As above.	As above.	As above.
MIC	TBC	All offshore	Inter-related Effects	N/A	As above.	As above.	As above.	As above.

Likely Significant Effect identified at Scoping?	Scoping		
	Proposed Approach	Further Evidence	Updates Since Scoping
LSE	Assessed in ES.	N/A	No change
LSE	Assessed in ES.	Site-specific sediment contaminants analysis.	No change
LSE	Assessed in ES.	N/A	No change
LSE	Assessed in ES.	N/A	No change
No LSE	Further evidence to be provided via the Evidence Plan process.	Presentation of information regarding the low likelihood of secondary scour.	No LSE agreed through EPP (WQ-D1.01)
LSE	Assessed in ES.	As above.	No change
LSE	Assessed in ES.	As above.	No change
LSE	Assessed in ES.	As above.	No change

Impact Background								
Consent	ID	Project Element	Original Project Phase	Project Activity and Impact	Maximum Design Scenario (MDS)	Justification for MDS	Receptor(s)	Commitments
MIC	O-01-C	All offshore and Landfall	Construction	Temporary habitat loss/ disturbance and displacement due to vessel activity during construction and decommissioning.	Vessel traffic associated with construction, operational and decommissioning activities. See Impacts Register for Shipping and Navigation.	The MDS identifies the maximum number of structures maximum lengths of cable to be installed, requiring the greatest number of vessels and therefore the greatest potential for accidental pollution.	Guillemot; Razorbill; Red-throated diver.	Tertiary Co6 Co7
	O-01-D	All offshore and Landfall	Decommissioning					
MIC	O-02-C	All offshore and Landfall	Construction	Reduced prey availability due to indirect effects on prey species and habitats.	See Impacts Register for Benthic Subtidal and Intertidal Ecology, and Fish and Shellfish Ecology.	MDS defined by impacts to prey species.	All seabird species.	Tertiary Co4 Co6 Co34
	O-02-O	All offshore and Landfall	Operation					
	O-02-D	All offshore and Landfall	Decommissioning					
MIC	O-03-O	Array	Operation	Disturbance and displacement due to WTG presence.	Presence of 100 WTGs and up to 5 OSS over the full extent of the Offshore Array (250 km ²).	The MDS results in the greatest potential for disturbance from WTGs.	Guillemot; Razorbill; Red-throated diver.	Tertiary Co7
MIC	O-04-O	Array	Operation	Mortality due to risk of collision with WTGs.	Presence of 100 WTGs over the full extent of the Offshore Array (250 km ²); Maximum rotor diameter of 320 m; Minimum blade tip height of 30 m above LAT (20.66 m above HAT).	The MDS results in the greatest potential for disturbance from WTGs.	Kittiwake; Great black-backed gull; Herring gull; Lesser black-backed gull; Gannet	Tertiary Co7
MIC	O-05-O	Array	Operation	Barrier effects due to WTG presence.	Presence of up to 100 WTGs.	The MDS results in the greatest potential for disturbance from WTGs.	N/A as no LSE.	Tertiary Co7
MIC	O-06-C	All offshore	Construction	Accidental releases or spills of materials or chemicals during construction, operation and decommissioning.	Vessel traffic associated with construction, operational and decommissioning activities. See Impacts Register for Shipping and Navigation.	The MDS identifies the maximum number of structures maximum lengths of cable to be installed, requiring the greatest number of vessels and therefore the greatest potential for accidental pollution.	All seabird species.	Tertiary Co4 Co6 Co7
	O-06-O	All offshore	Operation					
	O-06-D	All offshore	Decommissioning					
MIC	O-07-O	Array	Operation	Attraction to lit structures by migrating birds.	Presence of 100 WTGs and 5 OSSs lit with nautical and aviation warning light systems, ID board lighting and low intensity lighting for helicopter winching operations.	The MDS results in the greatest number of lit structures.	All seabird species.	Tertiary Co7
MIC	TBC	All offshore	Cumulative Effects	As above.	As above.	As above.	As above.	As above.
MIC	TBC	All offshore	Transboundary Effects	As above.	As above.	As above.	As above.	As above.
MIC	TBC	All offshore	Inter-related Effects	N/A	As above.	As above.	As above.	As above.

Scoping			
Likely Significant Effect identified at Scoping?	Proposed Approach	Further evidence	Updates Since Scoping
LSE	Assessed in ES.	Analysis and presentation of 24 months of Digital Aerial Survey data.	No change
LSE	Assessed in ES.	N/A	No change
LSE	Assessed in ES.	Analysis and presentation of 24 months of Digital Aerial Survey data.	No change
LSE	Assessed in ES.	Analysis and presentation of 24 months of Digital Aerial Survey data.	No change
No LSE	Further evidence to be provided via the Evidence Plan process.	Provision of assessment methodology note that incorporates consideration of barrier effects within the disturbance/displacement assessment.	No LSE agreed through EPP (O-D.1.01)
LSE	Assessed in ES.	N/A	No change
Low - impacts are expected to be minimal, with limited evidence on the impacts of artificial light on birds.	Assessed in ES.	Analysis and presentation of 24 months of Digital Aerial Survey data.	No change
LSE	Assessed in ES.	As above.	No change
LSE	Assessed in ES.	As above.	No change
LSE	Assessed in ES.	As above.	No change



Impact Background								
Consent	ID	Project Element	Original Project Phase	Project Activity and Impact	Maximum Design Scenario (MDS)	Justification for MDS	Receptor(s)	Commitments
MIC	TBC	All offshore	Inter-related Effects	N/A	As above.	As above	As above.	As above.

Scoping			
Likely Significant Effect identified at Scoping?	Proposed Approach	Further evidence	Updates Since Scoping
LSE	Assessed in ES.	As above.	No change

Environmental Statement				
Project position at ES	Justification for position at ES	Magnitude at ES	Sensitivity at ES	Likely Significant Effect at ES?

Consent	Impact Background							Scoping				
	ID	Project Element	Original Project Phase	Project Activity and Impact	Maximum Design Scenario (MDS)	Justification for MDS	Receptor(s)	Commitments	Risk identified as ALARP (no LSE) at Scoping stage?	Proposed Approach	Further evidence	Updates Since Scoping
MIC	SN-01-C	All offshore	Construction	Traffic displacement including displacement of 'lifeline' routes due to presence of the offshore array.	Up to 100 Wind Turbine Generators (WTGs) and up to five OSSs with minimum separation distance 820 m centre-to-centre; 500 m safety zones around construction activities; The regular maintenance of the infrastructure throughout the Proposed Development's 35 year lifespan; 50 m advisory safety zones around operational structures; 500 m safety zones around structures undergoing major maintenance; Decommissioning of the site to remove all offshore infrastructure above the seabed; and Vessel traffic associated with construction, operational and decommissioning activities.	The MDS identifies the greatest physical footprint of development, and therefore the greatest potential for displacement.	Sea users	Primary Co45 Tertiary Co33 Co37 Co43	LSE as per MGN 654 Requirements	Assessed in NRA.	MGN 654 Compliant Vessel Traffic Survey.	No change
	SN-01-O	All offshore	Operation									
	SN-01-D	All offshore	Decommissioning									
MIC	SN-02-C	All offshore	Construction	Increased vessel to vessel collision risk between third party vessels resulting from displacement due to presence of the offshore array.	Up to 100 Wind Turbine Generators (WTGs) and up to five OSSs with minimum separation distance 820 m centre-to-centre; 500 m safety zones around construction activities; The regular maintenance of the infrastructure throughout the Proposed Development's 35 year lifespan; 50 m advisory safety zones around operational structures; 500 m safety zones around structures undergoing major maintenance; Decommissioning of the site to remove all offshore infrastructure above the seabed; and Vessel traffic associated with construction, operational and decommissioning activities.	The MDS identifies the greatest physical footprint of development, and therefore the greatest potential for displacement and subsequent increase in collision risk.	Sea users	Primary Co45 Tertiary Co33 Co37 Co43	LSE as per MGN 654 Requirements	Assessed in NRA.	MGN 654 Compliant Vessel Traffic Survey.	No change
	SN-02-O	All offshore	Operation									
	SN-02-D	All offshore	Decommissioning									
MIC	SN-03-C	All offshore	Construction	Increased vessel to vessel collision risk between a third party vessel and a project vessel.	Vessel traffic associated with construction, operational and decommissioning activities.	The MDS identifies the maximum number of structures, maximum lengths of cable to be installed, requiring the greatest number of vessels and therefore the greatest potential for increased vessel-to-vessel collision risk.	Sea users	Tertiary Co8 Co9 Co32 Co42 Co44	LSE as per MGN 654 Requirements	Assessed in NRA.	MGN 654 Compliant Vessel Traffic Survey.	No change
	SN-03-O	All offshore	Operation									
	SN-03-D	All offshore	Decommissioning									
MIC	SN-04-O	Array (assumes no surface structures with ECC)	Operation (assumes mitigations in place for construction / decomm.)	Vessel to structure allision risk due to the presence of structures.	Up to 100 Wind Turbine Generators (WTGs) and up to five OSSs with minimum separation distance 820 m centre-to-centre; 500 m safety zones around construction activities; The regular maintenance of the infrastructure throughout the Proposed Development's 35 year lifespan; 50 m advisory safety zones around operational structures; 500 m safety zones around structures undergoing major maintenance; Decommissioning of the site to remove all offshore infrastructure above the seabed; and Vessel traffic associated with construction, operational	The MDS identifies the greatest number of structures, and therefore the greatest potential for allision risk.	Sea users	Primary Co45 Tertiary Co33 Co37 Co43	LSE as per MGN 654 Requirements	Assessed in NRA.	MGN 654 Compliant Vessel Traffic Survey.	No change
MIC	SN-05-C	All offshore	Construction	Reduced access to local ports due to increased vessel traffic.	Vessel traffic associated with construction, operational and decommissioning activities.	The MDS identifies the greatest physical footprint of development, and therefore the greatest potential for reduction in access.	Sea users	N/A	LSE as per MGN 654 Requirements	Assessed in NRA.	MGN 654 Compliant Vessel Traffic Survey.	No change
	SN-05-O	All offshore	Operation									

Consent	Impact Background							
	ID	Project Element	Original Project Phase	Project Activity and Impact	Maximum Design Scenario (MDS)	Justification for MDS	Receptor(s)	Commitments
MIC	SLV-01-C	Array	Construction	Daytime effects of the offshore array on seascape character receptors.	Up to 100 WTGs on suction caisson jacket foundations; Maximum rotor diameter of 320 m, Minimum blade tip height of 30 m above LAT, Maximum blade tip height of 389 m above LAT; Construction and presence of up to 5 OSSs on piled jacket foundations with a maximum separation of adjacent legs at LAT of 70 m. OSS topsides 100 m in length by 80 m in width, 45 m thick (from base to top of topside), Maximum height of 75 m above LAT (including ancillary structures such as helipad, crane and lightning protection, however excluding antennae and masts).	Maximum number of offshore structures representing the greatest potential for change in visual baseline.	Seascape character	N/A
	SLV-01-O	Array	Operation					
	SLV-01-D	Array	Decommissioning					
MIC	SLV-02-C	Array	Construction	Daytime effects of the offshore array on landscape character receptors.	As MDS for SLV-01.	Maximum number of offshore structures representing the greatest potential for change in visual baseline.	Landscape character	N/A
	SLV-02-O	Array	Operation					
	SLV-02-D	Array	Decommissioning					
MIC	SLV-03-C	Array	Construction	Daytime effects of the offshore array on landscape character or special qualities of designated landscapes.	As MDS for SLV-01.	Maximum number of offshore structures representing the greatest potential for change in visual baseline.	Designated landscapes	N/A
	SLV-03-O	Array	Operation					
	SLV-03-D	Array	Decommissioning					
MIC	SLV-04-C	Array	Construction	Daytime effects of the offshore array on visual receptors.	As MDS for SLV-01.	Maximum number of offshore structures representing the greatest potential for change in visual baseline.	Visual receptors	N/A
	SLV-04-O	Array	Operation					
	SLV-04-D	Array	Decommissioning					
MIC	SLV-05-O	Array	Operation	Night time effects of the offshore array of the array area lighting on onshore visual receptors.	As MDS for SLV-01, with structures lit with nautical and aviation warning light systems, ID board lighting and low intensity lighting for helicopter winching operations.	Maximum number of offshore structures representing the greatest potential for change in visual baseline.	Visual receptors	N/A
MIC	SLV-06-C	ECC	Construction	Temporary effects associated with offshore cable installation.	Installation of up to: Up to 490 km of array cables; Up to 100 km of interlink cables; Up to 125 km of export cables; Up to 90 km of Offshore Electrical Connection Cables;	Maximum length of cables installed.	N/A as no LSE	N/A
	SLV-06-O	ECC	Operation					
	SLV-06-D	ECC	Decommissioning					
MIC	SLV-07-O	Array	Operation	Cumulative impacts of the offshore array and other existing, under construction or consented developments of a similar nature on seascape, landscape and visual receptors.	As MDS for SLV-01.	Maximum number of offshore structures representing the greatest potential for change in visual baseline.	All SLVIA receptors	N/A
MIC	SLV-08-O	Array	Operation	Transboundary impacts of the offshore array on seascape receptors when considered together with other existing, under construction or consented stage developments of a similar nature.	As MDS for SLV-01.	Maximum number of offshore structures representing the greatest potential for change in visual baseline.	Seascape character	N/A
MIC	SLV-09-O	Array	Operation	Transboundary impacts of the offshore array on landscape receptors when considered together with other existing, under construction or consented stage developments of a similar nature.	As MDS for SLV-01.	Maximum number of offshore structures representing the greatest potential for change in visual baseline.	Landscape character and designated landscapes	N/A
MIC	SLV-10-O	Array	Operation	Transboundary impacts of the offshore array on visual receptors when considered together with other existing, under construction or consented stage developments of a similar nature.	As MDS for SLV-01.	Maximum number of offshore structures representing the greatest potential for change in visual baseline.	Visual receptors	N/A

Scoping			
Likely Significant Effect identified at Scoping?	Proposed Approach	Further evidence	Updates Since Scoping
LSE	Assessed in ES.	Site photography, wirelines and visualisations; ZTV analysis.	No change
LSE	Assessed in ES.	Site photography, wirelines and visualisations; ZTV analysis.	No change
LSE	Assessed in ES.	Site photography, wirelines and visualisations; ZTV analysis.	No change
LSE	Assessed in ES.	Site photography, wirelines and visualisations; ZTV analysis.	No change
LSE	Assessed in ES.	Site photography, wirelines and visualisations; ZTV analysis.	No change
No LSE	Further evidence to be provided via the Evidence Plan process.	Provision of further evidence with regard to temporary nature of effects associated with this impact.	No LSE agreed through EPP
LSE	Assessed in ES.	Site photography, wirelines and visualisations; ZTV analysis.	No change
LSE	Assessed in ES.	Site photography, wirelines and visualisations; ZTV analysis.	No change
LSE	Assessed in ES.	Site photography, wirelines and visualisations; ZTV analysis.	No change

Consent	ID	Project Element	Original Project Phase	Project Activity and Impact	Impact Background			
					Maximum Design Scenario (MDS)	Justification for MDS	Receptor(s)	
MIC	OA-01-C	All offshore	Construction	Direct damage to known and recorded archaeological receptors (maritime or aviation) and/or anomalies of likely/possible anthropogenic origin on or under the seabed due to seabed preparation and the installation of infrastructure.	Up to 100 WTGs on suction caisson jacket foundations; Up to 2 OSs (large concept) on suction caisson jacket foundations; Up to 490 km of array cables; Up to 100 km of interlink cables; Up to 125 km of export cables; Up to 90 km of Offshore Electrical Connection Cable; Cables installed using Mass Flow Excavation (or similar); and Landfall infrastructure installed in the intertidal using open-cut trenching or HDD (or other trenchless techniques)	The MDS represents the maximum potential for physical interaction with the seabed.	All marine archaeological assets (maritime or aviation) or anomalies (known and recorded)	Tertiary Co38 Co39 Co40 Co41
	OA-01-O	All offshore	Operation					
	OA-01-D	All offshore	Decommissioning					
MIC	OA-02-C	All offshore	Construction	Direct damage to potential, currently unrecorded archaeological receptors (maritime or aviation) on or under the seabed due to seabed preparation and installation of infrastructure.	Up to 100 WTGs on suction caisson jacket foundations; Up to 2 OSs (large concept) on suction caisson jacket foundations; Up to 490 km of array cables; Up to 100 km of interlink cables; Up to 125 km of export cables; Up to 90 km of Offshore Electrical Connection Cable; Cables installed using Mass Flow Excavation (or similar); and Landfall infrastructure installed in the intertidal using open-cut trenching or HDD (or other trenchless techniques)	The MDS represents the maximum potential for physical interaction with the seabed.	Marine archaeological assets (maritime and aviation).	Tertiary Co38 Co39 Co40 Co41
	OA-02-O	All offshore	Operation					
	OA-02-D	All offshore	Decommissioning					
MIC	OA-03-C	All offshore	Construction	Direct damage to known and potential palaeogeographic receptors on or under the seabed due to seabed preparation and installation of infrastructure.	Seabed preparation for: Up to 100 WTGs on suction caisson jacket foundations; Up to 2 OSs (large concept) on suction caisson jacket foundations; Up to 490 km of array cables; Up to 100 km of interlink cables; Up to 125 km of export cables; Up to 90 km of Offshore Electrical Connection Cable; Cables installed using Mass Flow Excavation (or similar); and Landfall infrastructure installed in the intertidal using open-cut trenching or HDD (or other trenchless techniques)	The MDS represents the maximum potential for physical interaction with the seabed.	Palaeogeographic assets including sites and finds.	Tertiary Co38 Co39 Co40 Co41
	OA-03-O	All offshore	Operation					
	OA-03-D	All offshore	Decommissioning					
MIC	OA-04-C	All offshore	Construction	Physical disturbance activities causing indirect changes to hydrodynamic and sedimentary regimes leading to sediment reduction on the seabed, potentially exposing all marine archaeological receptors leading to increased rates of deterioration (adverse).	See Impacts Register for Marine Geology, Oceanography and Physical Processes.	The MDS is defined by the change to hydrodynamic and sedimentary regimes and the location of all archaeological receptors/anomalies of likely/anthropogenic origin.	All marine archaeological assets or anomalies (known and recorded)	N/A
	OA-04-O		Operation					
	OA-04-D		Decommissioning					
MIC	OA-05-C	All offshore	Construction	Physical disturbance activities causing indirect changes to hydrodynamic and sedimentary regimes leading to sediment accretion on the seabed, which may cause sediment to cover receptors inhibiting a range of biological, chemical and physical degradation processes (beneficial).	See Impacts Register for Marine Geology, Oceanography and Physical Processes.	The MDS is defined by the change to hydrodynamic and sedimentary regimes and the location of all archaeological receptors/anomalies of known/likely/possible anthropogenic origin.	All marine archaeological assets or anomalies	N/A
	OA-05-O		Operation					
	OA-05-D		Decommissioning					
MIC	OA-06-C	All offshore	Construction	Temporary or permanent change to the setting of heritage receptors, due to the presence of infrastructure, which may affect the significance of such assets.	Presence of: Up to 100 WTGs on suction caisson jacket foundations; Up to 5 OSs on piled jacket foundations.	The MDS is defined by the location of all archaeological receptors/anomalies of likely/possible anthropogenic origin.	All marine archaeological assets or anomalies	N/A
	OA-06-O		Operation					
	OA-06-D		Decommissioning					
MIC	OA-07-C	All offshore	Construction	Temporary or permanent change to the character of the historic seascape due to the presence of infrastructure.	Presence of: Up to 100 WTGs on suction caisson jacket foundations; Up to 5 OSs on piled jacket foundations.	The MDS is defined by the maximum potential for the HSC to be impacted by the Proposed Development.	Historic Seascape Character	N/A
	OA-07-O		Operation					
	OA-07-D		Decommissioning					
MIC	OA-06-D	Offshore	Operation	In-Direct Effects: Change within the setting of onshore designated heritage assets as a result of WTGs.	Presence of up to 100 WTGs on jacket foundations; and Presence of up to 5 OSs on suction caisson foundations.	Design scenario represents likely design of WTGs.	Designated heritage assets	N/A
MIC	TBC	All offshore	Cumulative Effects	As above.	As above.	As above.	As above.	As above.
MIC	TBC	All offshore	Transboundary Effects	As above.	As above.	As above.	As above.	As above.
MIC	TBC	All offshore	Inter-related Effects	N/A	As above.	As above.	As above.	As above.

Likely Significant Effect Identified at Scoping?	Scoping		
	Proposed Approach	Further evidence	Updates Since Scoping
No LSE	Further evidence to be provided via the Evidence Plan process.	Desk-based assessment (including results of geophysical and geotechnical surveys) and WSI.	No LSE agreed through EPP (OA-D1.01)
No LSE	Further evidence to be provided via the Evidence Plan process.	Desk-based assessment (including results of geophysical and geotechnical surveys) and WSI.	No LSE agreed through EPP (OA-D1.02)
No LSE	Further evidence to be provided via the Evidence Plan process.	Desk-based assessment (including results of geophysical and geotechnical surveys) and WSI.	No LSE agreed through EPP (OA-D1.03)
LSE	Assessed in ES.	Desk-based assessment.	No change
LSE (beneficial)	Assessed in ES.	Desk-based assessment.	No change
LSE	Assessed in ES.	Desk-based assessment.	No change
LSE	Assessed in ES.	Desk-based assessment.	No change
LSE	Assessed in ES	Historic Environment Desk-Based Assessment (HEDBA).	No change
LSE	Assessed in ES.	As above.	No change
LSE	Assessed in ES.	As above.	No change
LSE	Assessed in ES.	As above.	No change

Impact Background								
Consent	ID	Project Element	Original Project Phase	Project Activity and Impact	Maximum Design Scenario (MDS)	Justification for MDS	Receptor(s)	Commitments
MIC	AR-01-C (previously AR-10-C)	All offshore	Construction	Creation of an aviation obstacle environment due to the presence of WTGs.	Up to 100 WTGs on suction caisson jacket foundations; Up to 5 OSSs on piled foundations; Maximum rotor diameter of 320 m; Minimum blade tip height of 30 m above LAT; Maximum blade tip height of 389 m above LAT;	The MDS identifies the maximum number of offshore structures and therefore the greatest potential for creation of obstacles.	Aircraft.	Tertiary Co33 Co37
	AR-01-O (previously AR-10-O)	All offshore	Operation					
	AR-01-D (previously AR-10-D)	All offshore	Decommissioning					
MIC	AR-02-O (previously AR-11-O)	Array	Operation	Impact on military and civil aviation PSR systems due to the presence of WTGs.	Up to 100 WTGs on suction caisson jacket foundations; Up to 5 OSSs on piled foundations; Maximum rotor diameter of 320 m; Minimum blade tip height of 30 m above LAT; Maximum blade tip height of 389 m above LAT;	The MDS identifies the maximum number of turbines and therefore the greatest potential for creation of radar interference.	PSR systems.	Tertiary Co33 Co37
MIC	AR-03-C (previously AR-12-C)	All offshore	Construction	Impact to PEXA due physical overlap.	Up to 100 WTGs on suction caisson jacket foundations; Up to 5 OSSs on piled foundations.	The MDS identifies the maximum number of offshore structures and therefore the greatest potential for creation of obstacles.	Military training activities.	Tertiary Co33 Co37
	AR-03-O (previously AR-12-O)	All offshore	Operation					
	AR-03-D (previously AR-12-D)	All offshore	Decommissioning					
MIC	AR-04-O (previously AR-13-O)	Array	Operation	Impact to SSR systems due to the presence of WTGs.	Up to 100 WTGs on suction caisson jacket foundations; Up to 5 OSSs on piled foundations; Maximum rotor diameter of 320 m; Minimum blade tip height of 30 m above LAT; Maximum blade tip height of 389 m above LAT;	The MDS identifies the maximum number of turbines and therefore the greatest potential for creation of radar interference.	IoM MLAT system	Tertiary Co33 Co37
MIC	AR-05-O (previously AR-14-O)	Array	Operation	Impact to Ronaldsway Airport PSR due to the presence of WTGs.	Up to 100 WTGs on suction caisson jacket foundations; Up to 5 OSSs on piled foundations; Maximum rotor diameter of 320 m; Minimum blade tip height of 30 m above LAT; Maximum blade tip height of 389 m above LAT;	The MDS identifies the maximum number of turbines and therefore the greatest potential for creation of radar interference.	PSR systems.	Tertiary Co33 Co37
MIC	AR-06-O (previously AR-15-O)	Array	Operation	Impact to meteorological radar due to the presence of WTGs.	Up to 100 WTGs on suction caisson jacket foundations; Up to 5 OSSs on piled foundations; Maximum rotor diameter of 320 m; Minimum blade tip height of 30 m above LAT; Maximum blade tip height of 389 m above LAT;	The MDS identifies the maximum number of turbines and therefore the greatest potential for creation of radar interference.	N/A as no LSE.	Tertiary Co33 Co37
MIC	AR-07-C (previously AR-16-C)	All offshore	Construction	Increased air traffic associated with, and displaced by, the Proposed Development may affect available airspace for other users.	Up to 100 WTGs on suction caisson jacket foundations; Up to 5 OSSs on piled foundations. Construction 2 helicopters for WTG installation (200 round trips); 1 helicopter for WTG foundation installation (200 round trips); 2 helicopters for OSS topside installation (10 round trips); 1 helicopter for OSS foundation installation (200 round trips); 2 helicopters for array and interlink cable installation (333 round trips); 2 helicopters for OECC installation (300 round trips); Operation and Maintenance 1,966 helicopter trips per year.	The MDS identifies the maximum number of offshore structures and therefore the greatest potential for creation of obstacles.	Aircraft.	Tertiary Co33 Co37
	AR-07-O (previously AR-16-O)	All offshore	Operation					
	AR-07-D (previously AR-16-D)	All offshore	Decommissioning					
MIC	AR-08-C	Array	Construction	Impacts on Minimum Safe Altitude (MSA) and Instrument Flight Procedures (IFPs) due to presence of WTGs.	Up to 100 WTGs on suction caisson jacket foundations; Up to 5 OSSs on piled foundations; Maximum rotor diameter of 320 m; Minimum blade tip height of 30 m above LAT; Maximum blade tip height of 389 m above LAT;	The MDS identifies the maximum number of offshore structures and therefore the greatest potential for creation of impact to MSAs and IFPs.	Aircraft.	Tertiary Co33 Co37
	AR-08-O	Array	Operation					
	AR-08-D	Array	Decommissioning					
MIC	TBC	All offshore	Cumulative Effects	As above.	As above.	As above.	As above.	As above.
MIC	TBC	All offshore	Transboundary Effects	As above.	As above.	As above.	As above.	As above.
MIC	TBC	All offshore	Inter-related Effects	N/A	As above.	As above.	As above.	As above.

Scoping			
Likely Significant Effect identified at Scoping?	Proposed Approach	Further evidence	Updates Since Scoping
LSE	Assessed in ES.	Radar Line of Sight analysis.	No change
LSE	Assessed in ES.	Radar Line of Sight analysis.	No change
LSE	Assessed in ES.	Radar Line of Sight analysis.	No change
No LSE	Further evidence to be provided via the Evidence Plan process.	Provision of further evidence regarding potential for effects on SSR.	New receptor identified through EPP that means this impacts is LSE. Agreed to assess in ES (AR-D1.01)
LSE	Assessed in ES.	Radar Line of Sight analysis.	No change
No LSE	Further evidence to be provided via the Evidence Plan process.	Provision of further evidence regarding potential for effects on meteorological radar.	No LSE agreed through EPP (AR-D1.03)
LSE	Assessed in ES.	Radar Line of Sight analysis.	No change
Not identified at Scoping	Not identified at Scoping	Not identified at Scoping	Identified as LSE through consultation with IOMA. To be assessed in ES.
LSE	Assessed in ES.	As above.	No change
LSE	Assessed in ES.	As above.	No change
LSE	Assessed in ES.	As above.	No change

Consent	Impact Background							
	ID	Project Element	Original Project Phase	Project Activity and Impact	Maximum Design Scenario (MDS)	Justification for MDS	Receptor(s)	Commitments
MIC	OMU-01-C	All offshore	Construction	Activity or access displacement associated with increased vessel movements associated with the construction, maintenance and decommissioning of WTGs, platforms and export cables.	Vessel traffic associated with construction, operational and decommissioning activities.	The MDS identifies the maximum number vessels and therefore the greatest potential for effects.	Offshore Wind Oil and Gas Cables and Pipelines Marine Disposal Marine Aggregates Military Activity	Tertiary Co5 Co8 Co33 Co37
	OMU-01-O	All offshore	Operation					
	OMU-01-D	All offshore	Decommissioning					
MIC	OMU-02-C	All offshore	Construction	Activity or access displacement associated with the establishment of safety zones associated with the construction, maintenance and decommissioning of WTGs, platforms and export cables.	500 m safety zones around up to: Up to 100 WTGs on suction caisson jacket foundations; Up to 5 OSSs on piled foundations; Rolling safety zones around export cable installation vessels; 50 m advisory safety zones around operational structures; 500 m safety zones around structures undergoing major maintenance;	The MDS is defined by the maximum potential requirement for safety zones.	Offshore Wind Oil and Gas Cables and Pipelines Marine Disposal Marine Aggregates Military Activity	Tertiary Co9
	OMU-02-O	All offshore	Operation					
	OMU-02-D	All offshore	Decommissioning					
MIC	OMU-03-C	All offshore	Construction	Temporary increases in subsea noise due to construction.	Up to 100 WTGs on monopile foundations; Up to 5 OSSs on piled foundations; Installation using percussive piling; Clearance of UXO by low and/or high order detonation.	The MDS results in the greatest number of foundations with the greatest potential for underwater noise propagation.	Offshore recreational activities	Tertiary Co8
	OMU-03-D	All offshore	Decommissioning					
MIC	OMU-04-C	All offshore	Construction	Direct disturbance and damage to existing assets and infrastructure due to physical overlap.	Seabed preparation for: Up to 100 WTGs on suction caisson jacket foundations; Up to 2 OSSs (large concept) on suction caisson jacket foundations; Up to 490 km of array cables; Up to 100 km of interlink cables; Up to 125 km of export cables; Up to 90 km of Offshore Electrical Connection Cable; Cables installed using Mass Flow Excavation (or similar); and Landfall infrastructure installed in the intertidal using open-cut trenching or HDD (or other trenchless techniques)	The MDS represents the maximum potential for physical interaction with the seabed.	Oil and Gas Cables and Pipelines	Tertiary Co37
	OMU-04-D	All offshore	Decommissioning					
MIC	OMU-05-O	All offshore	Operation	Physical presence of infrastructure during the operational phase.	Presence of: Up to 100 WTGs on suction caisson jacket foundations; Up to 5 OSSs on piled jacket foundations; Associated scour protection. Up to 490 km of array cables; Up to 100 km of interlink cables; Up to 125 km of export cables; Up to 90 km of Offshore Electrical Connection Cable; Associated cable protection.	The MDS identifies the greatest physical footprint of development.	Offshore Wind Oil and Gas Cables and Pipelines Marine Disposal Marine Aggregates Military Activity	Tertiary Co33 Co37
MIC	OMU-06-C	All offshore	Construction	Subsequent deposition of suspended/ re-suspended sediments due to seabed preparation and installation of infrastructure.	Up to 100 WTGs on suction caisson jacket foundations; Up to 5 OSSs on piled foundations; Up to 490 km of array cables; Up to 100 km of interlink cables; Up to 125 km of export cables; Up to 90 km of Offshore Electrical Connection Cable Cables installed using Mass Flow Excavation (or similar); and Landfall infrastructure installed in the intertidal using HDD (or other trenchless techniques)	The MDS is defined by the identification of pathway for increases in suspended sediments.	Marine Disposal Marine Aggregates	N/A
	OMU-06-D	All offshore	Decommissioning					
MIC	TBC	All offshore	Cumulative Effects	As above.	As above.	As above.	As above.	As above.
MIC	TBC	All offshore	Transboundary Effects	As above.	As above.	As above.	As above.	As above.
MIC	TBC	All offshore	Inter-related Effects	N/A	As above.	As above.	As above.	As above.

Likely Significant Effect identified at Scoping?	Scoping		
	Proposed Approach	Further evidence	Updates Since Scoping
LSE	Assessed in ES.	N/A	No change
LSE	Assessed in ES.	N/A	No change
No LSE	Further evidence to be provided via the Evidence Plan process.	Provision of note on following underwater noise modelling.	No LSE paper submitted to operators, awaiting feedback
No LSE	Further evidence to be provided via the Evidence Plan process.	Provision of information regarding application of commercial crossing agreements.	No LSE paper submitted to operators, awaiting feedback
LSE	Assessed in ES.	N/A	No change
No LSE	Further evidence to be provided via the Evidence Plan process.	A validated hydrodynamic model will be developed to investigate sediment plume scenarios. Provision of technical note.	No LSE paper submitted to operators, awaiting feedback
LSE	Assessed in ES.	As above.	No change
LSE	Assessed in ES.	As above.	No change
LSE	Assessed in ES.	As above.	No change



Impact Background									
Consent	ID	Project Element	Original Project Phase	Project Activity and Impact	Maximum Design Scenario (MDS)	Justification for MDS	Receptor(s)	Commitments at Scoping	Commitments at EPP
TCPA	ECO-01-C	Onshore	Construction	Noise, lighting and visual disturbances on habitats and species caused by physical works and movement of craft/vehicles and personnel.	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	All potential OECC options and landfall locations need to be considered. Design scenario represents the maximum spatial extent of disturbance to ecological receptors in relation to onshore key parameters.	Birds using the intertidal zone, roosting bats, Douglas Bay MNR.	Primary Co46 Tertiary Co17	
TCPA	ECO-02-C	Onshore	Construction	Habitat loss and disturbance during cable installation and landfall.	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	All potential OECC options and landfall locations need to be considered. Design scenario represents the maximum spatial extent of disturbance to ecological receptors in relation to onshore key parameters.	Urban nesting birds, urban roosting bats, Groudie registered tree area, Groudie Glen wildlife site.	Tertiary Co1 Co15	
TCPA	ECO-03-O	Onshore	O&M	Species disturbance during re-excitation of cable ducts.	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	The MDS results in the greatest area of habitat affected by the presence of infrastructure to be removed.	Habitats and species.	Tertiary Co1 Co15 Co16 Co17	
TCPA	ECO-04-D	Onshore	Decommissioning	Habitat and species disturbance during re-excitation of power cables, OnSS and associated onshore infrastructure during decommissioning.	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	The MDS results in the greatest area of habitat affected by the presence of infrastructure to be removed.	Habitats and species.	Tertiary Co6 Co15	
TCPA	LUGC-01-C	All Onshore	Construction	A reduction to the productivity and/or total yield gained from agriculture land within areas under construction.	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	In the absence of detailed design information, routes or locations, the MDS represents the maximum level of Land Use and Ground Conditions impacts that could occur as a result of the Proposed Development within the Order Limits.	Class 3 and Class 3/4 agricultural land	Tertiary Co17	Tertiary Co17

EIA Scoping			
Likely Significance of Effect at Scoping Stage and Justification	Proposed Approach	Further Evidence	Updates since Scoping
LSE	Assessed in ES	Douglas Bay-Wintering intertidal bird Surveys - two seasons - September to March inclusive. Two visits per month to encompass tide cycles. Desk study data, i.e WeBS (BTO Wetland Bird Survey) data and Island wide context data. Groudie Bay-Habitat survey, protected species walk over, likely to trigger bat roost assessment and	No Change
LSE	Assessed in ES	Routing studies and Habitat survey of cable corridor. Depending on potential impacts species surveys may be required.	No Change
LSE	Assessed in ES	Further surveys may be required e.g. wintering birds, depending on the specifics. Monitoring of any reinstatement or translocated populations during operational stage as a post construction requirement.	Scoped out - The LSE is no longer relevant to the revised onshore scope
No LSE	Further evidence to be provided via the Evidence Plan process.	Provision of technical note on ecological management actions required to mitigate potential impacts of cable removal.	Scoped out - The No LSE is no longer relevant to the revised onshore scope.
LSE	Assessed in ES	Information on the final location of onshore infrastructure, presence of agricultural land will determine simple/detailed assessment. A review of the agricultural land Classes which would be impacted, potentially supported with a site walkover survey, assessed against the refined project details in line with the impact to soils. Mitigation, such as an SMP would be considered and targeted to minimise any	No Change

Environmental Statement				
Project position at ES	Justification for position at ES	Magnitude at ES	Sensitivity at ES	Likely Significant Effect at ES?

TCPA	LUGC-02-C	All Onshore	Construction	Construction activities resulting in the closure, whether temporary or permanent, of community land.	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	In the absence of detailed design information, routes or locations, the MDS represents the maximum level of Land Use and Ground Conditions impacts that could occur as a result of the Proposed Development within the Order Limits.	Beaches.	Tertiary Co23	Tertiary Co17 Co23
TCPA	LUGC-03-C	All Onshore	Construction	Construction activities resulting in the closure, whether temporary or permanent, of community assets.	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	In the absence of detailed design information, routes or locations, the MDS represents the maximum level of Land Use and Ground Conditions impacts that could occur as a result of the Proposed Development within the Order Limits.	Community centres and religious, healthcare and education facilities	Tertiary Co23 Co19	Tertiary Co17 Co23
TCPA	LUGC-04-C	All Onshore	Construction	Temporary or permanent closure, severage or disruption of linear recreational routes such as PRoWs, long-distance routes and cycle routes as a result of the installation of the cable route.	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	In the absence of detailed design information, routes or locations, the MDS represents the maximum level of Land Use and Ground Conditions impacts that could occur as a result of the Proposed Development within the Order Limits.	Raad ny Foillan, PRoWs, tourist routes and cycle paths.	Tertiary Co23 Co19	Tertiary Co23 Co19
TCPA	LUGC-05-C	All Onshore	Construction	Construction of the cable route overlapping areas identified within development plans for securing employment or housing, as well temporary or permanent closures to businesses aimed at providing tourism or recreation (caravan and camping sites).	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	In the absence of detailed design information, routes or locations, the MDS represents the maximum level of Land Use and Ground Conditions impacts that could occur as a result of the Proposed Development within the Order Limits.	Tourism and recreational assets.	Tertiary Co17 Co19 Co23	

No LSE	Further evidence to be provided via the Evidence Plan process.	Provision of technical note on Land Use & Ground Conditions	No Change - agreed as No LSE with TAG
No LSE	Further evidence to be provided via the Evidence Plan process.	Provision of technical note on Land Use & Ground Conditions	No Change - agreed as No LSE with TAG
LSE	Assessed in ES	Information on the final location of onshore infrastructure. Desktop review of recreational routes within the construction corridor and chosen substation site, in consultation with stakeholders. Assessing the current baseline levels against the potential impacts provided with project specific data. The indirect socioeconomic effects related to tourism and recreation would be assessed in the Socio-Economics	Change to No LSE and agreed with TAG
LSE	Assessed in ES	Information on the final location of onshore infrastructure. Desktop review of tourism and recreational assets within the construction corridor and chosen substation site, in consultation with stakeholders. Assessing the current baseline levels against the potential impacts provided with project specific data. The wider socio-economic effects related to tourism and recreation would be assessed in Chapter 15: Socio-Economics,	No Change

TCPA	LUGC-12-C	All Onshore	Construction	Disturbance / exposure of historic contamination from trenching, excavation and other earthworks, resulting in contamination of non-contaminated areas. Any contamination encountered during the construction phase would be subject to appropriate risk assessment and if necessary, either removed, treated and/ or mitigated as part of the project.	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	In the absence of detailed design information, routes or locations, the MDS represents the maximum level of Land Use and Ground Conditions impacts that could occur as a result of the Proposed Development within the Order Limits.	Contaminated land	Tertiary Co17 Primary Co20		LSE	Assessed in ES	A simple assessment approach will be adopted involving site walkover and baseline review of potential sources, pathways and receptors. This will feed into the development of a risk-based approach to managing potential contaminated soils during all aspects of construction.	No Change					
TCPA	LUGC-13-C	All Onshore	Construction	During construction there is potential for accidental spillages and leakages of oils, fuel and other polluting substances which could potentially enter the ground.	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	In the absence of detailed design information, routes or locations, the MDS represents the maximum level of Land Use and Ground Conditions impacts that could occur as a result of the Proposed Development within the Order Limits.	Soil	Tertiary Co17 Tertiary Co17		No LSE	Further evidence to be provided via the Evidence Plan process.	Provision of technical note on Land Use & Ground Conditions	No Change - agreed as No LSE with TAG					
TCPA	LUGC-14-C	All Onshore	Construction	Where overlaps occur between the permanent onshore cable route and regional geological sites and/or minerals safeguarding areas this could sterilise future resources.	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	In the absence of detailed design information, routes or locations, the MDS represents the maximum level of Land Use and Ground Conditions impacts that could occur as a result of the Proposed Development within the Order Limits.	Regional geological sites and minerals safeguarding areas	Primary Co20		No LSE	Further evidence to be provided via the Evidence Plan process.	Provision of technical note on Land Use & Ground Conditions	Scoped out - The No LSE is no longer relevant to the revised onshore scope.					
TCPA	LUGC-15-O	All Onshore	Operation and Maintenance	Permanent loss of agricultural land as a result of the presence of permanent onshore infrastructure.	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	In the absence of detailed design information, routes or locations, the MDS represents the maximum level of Land Use and Ground Conditions impacts that could occur as a result of the Proposed Development within the Order Limits.	Class 3 and Class 3/4 agricultural land	Tertiary Co17 Co22		LSE	Assessed in ES	Information on the final location of onshore infrastructure. A review of the agricultural Land Classes which would be impacted, potentially supported with a site walkover survey, assessed against the refined project details in line with the impact to soils. Mitigations for permanent losses of agricultural land are currently unknown and will be considered	No Change					
TCPA	LUGC-16-O	All Onshore	Operation and Maintenance	Loss of agricultural land or productivity as a result of the operational onshore cables.	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	The MDS represents the maximum level of Land Use and Ground Conditions impacts that could occur as a result of the operational cables.	Class 3 and Class 3/4 agricultural land	Primary Co21 Co22		No LSE	Further evidence to be provided via the Evidence Plan process.	Provision of technical note on Land Use & Ground Conditions	Scoped out - The LSE is no longer relevant to the revised onshore scope.					
TCPA	LUGC-17-O	All Onshore	Operation and Maintenance	The presence of the onshore substation resulting in the closure, whether temporary or permanent, of community land.	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	In the absence of detailed design information or location, the MDS represents the maximum level of Land Use and Ground Conditions impacts that could occur as a result of the operational OnSS.	Beaches.	Tertiary Co22 Co23		No LSE	Further evidence to be provided via the Evidence Plan process.	Technical note detailing how the operation and maintenance elements will look to reduce impact as far as practicable on land use and ground conditions.	Scoped out - The LSE is no longer relevant to the revised onshore scope.					
TCPA	LUGC-18-O	All Onshore	Operation and Maintenance	The presence of the onshore cables resulting in the closure, whether temporary or permanent, of community land.	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	The MDS represents the maximum level of Land Use and Ground Conditions impacts that could occur as a result of the operational cables.	Beaches.	Primary Co46		No LSE	Further evidence to be provided via the Evidence Plan process.	Technical note detailing how the operation and maintenance elements will look to reduce impact as far as practicable on land use and ground conditions.	Scoped out - The LSE is no longer relevant to the revised onshore scope.					

TCPA	LUGC-19-O	All Onshore	Operation and Maintenance	The presence of the onshore substation resulting in the closure, whether temporary or permanent, of community assets (community centres and religious, healthcare and education facilities).	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	In the absence of detailed design information or location, the MDS represents the maximum level of Land Use and Ground Conditions impacts that could occur as a result of the operational OnSS.	Community centres and religious, healthcare and education facilities	Tertiary Co23		No LSE	Further evidence to be provided via the Evidence Plan process.	Technical note detailing how the operation and maintenance elements will look to reduce impact as far as practicable on land use and ground conditions.	Scoped out - The LSE is no longer relevant to the revised onshore scope.					
TCPA	LUGC-20-O	All Onshore	Operation and Maintenance	The presence of the onshore cables resulting in a temporary or permanent, of community assets (community centres and religious, healthcare and education facilities).	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	The MDS represents the maximum level of Land Use and Ground Conditions impacts that could occur as a result of the operational cables.	Community centres and religious, healthcare and education facilities	Primary Co21 Co22		No LSE	Further evidence to be provided via the Evidence Plan process.	Technical note detailing how the operation and maintenance elements will look to reduce impact as far as practicable on land use and ground conditions.	Scoped out - The No LSE is no longer relevant to the revised onshore scope.					
TCPA	LUGC-21-O	All Onshore	Operation and Maintenance	The operation and maintenance of the onshore substation resulting in a temporary or permanent closure, severage or disruption of linear recreational routes such as PRoWs, long-distance routes and cycle routes.	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	In the absence of detailed design information or location, the MDS represents the maximum level of Land Use and Ground Conditions impacts that could occur as a result of the operational OnSS.	Raad ny Foillan, PRoWs, tourist routes and cycle paths.	Tertiary Co23 Co47		No LSE	Further evidence to be provided via the Evidence Plan process.	Technical note detailing how the operation and maintenance elements will look to reduce impact as far as practicable on land use and ground conditions.	Scoped out - The No LSE is no longer relevant to the revised onshore scope.					
TCPA	LUGC-22-O	All Onshore	Operation and Maintenance	The operation and maintenance of the onshore cables resulting in a temporary or permanent closure, severage or disruption of linear recreational routes such as PRoWs, long-distance routes and cycle routes.	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	The MDS represents the maximum level of Land Use and Ground Conditions impacts that could occur as a result of the operational cables.	Raad ny Foillan, PRoWs, tourist routes and cycle paths.	Primary Co21 Co23 Co47		No LSE	Further evidence to be provided via the Evidence Plan process.	Technical note detailing how the operation and maintenance elements will look to reduce impact as far as practicable on land use and ground conditions.	Scoped out - The No LSE is no longer relevant to the revised onshore scope.					
TCPA	LUGC-23-O	All Onshore	Operation and Maintenance	The operation and maintenance of the onshore substation resulting in a reduced scale of areas identified within development plans for securing employment or housing, as well temporary or permanent closures to businesses aimed at providing tourism or recreation (caravan and camping sites).	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	In the absence of detailed design information or location, the MDS represents the maximum level of Land Use and Ground Conditions impacts that could occur as a result of the operational OnSS.	Tourism and recreational assets.	Tertiary Co23		No LSE	Further evidence to be provided via the Evidence Plan process.	Technical note detailing how the operation and maintenance elements will look to reduce impact as far as practicable on land use and ground conditions.	Scoped out - The No LSE is no longer relevant to the revised onshore scope.					
TCPA	LUGC-24-O	All Onshore	Operation and Maintenance	The operation and maintenance of the onshore cables resulting in a reduced scale of areas identified within development plans for securing employment or housing, as well temporary or permanent closures to businesses aimed at providing tourism or recreation (caravan and camping sites).	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	The MDS represents the maximum level of Land Use and Ground Conditions impacts that could occur as a result of the operational cables.	Tourism and recreational assets.	Primary Co21		No LSE	Further evidence to be provided via the Evidence Plan process.	Technical note detailing how the operation and maintenance elements will look to reduce impact as far as practicable on land use and ground conditions.	Scoped out - The No LSE is no longer relevant to the revised onshore scope.					
TCPA	LUGC-25-O	All Onshore	Operation and Maintenance	The operation and maintenance of the onshore substation resulting in a direct impact to residential properties within villages, towns, or as individual farm holdings.	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	In the absence of detailed design information or location, the MDS represents the maximum level of Land Use and Ground Conditions impacts that could occur as a result of the operational OnSS.	Private housing.	Tertiary Co17		No LSE	Further evidence to be provided via the Evidence Plan process.	Technical note detailing how the operation and maintenance elements will look to reduce impact as far as practicable on land use and ground conditions.	Scoped out - The No LSE is no longer relevant to the revised onshore scope.					

TCPA	LUGC-26-O	All Onshore	Operation and Maintenance	The operation and maintenance of the onshore cables resulting in a direct impact to residential properties within villages, towns, or as individual farm holdings.	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	The MDS represents the maximum level of Land Use and Ground Conditions impacts that could occur as a result of the operational OnSS and cables.	Private housing.	Primary Co21		No LSE	Further evidence to be provided via the Evidence Plan process.	Technical note detailing how the operation and maintenance elements will look to reduce impact as far as practicable on land use and ground conditions.	Scoped out - The No LSE is no longer relevant to the revised onshore scope.					
TCPA	LUGC-27-O	All Onshore	Operation and Maintenance	During operation there is potential for accidental spillages and leakages of oils, fuel and other polluting substances which could potentially enter the ground.	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	The MDS represents the maximum level of Land Use and Ground Conditions impacts that could occur as a result of the operational TJB(s) and OECC.	Soil	Tertiary Co17	Tertiary Co17	No LSE	Further evidence to be provided via the Evidence Plan process.	Technical note detailing how the operation and maintenance elements will look to reduce impact as far as practicable on land use and ground conditions.	No Change - agreed as No LSE with TAG					
TCPA	LUGC-28-O	All Onshore	Operation and Maintenance	Where overlaps occur between the permanent onshore cable route and regional geological sites and/or minerals safeguarding areas this could sterilise future resources.	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	The MDS represents the maximum level of Land Use and Ground Conditions impacts that could occur as a result of the operational cables.	Regional geological sites and minerals safeguarding areas	Primary Co20		No LSE	Further evidence to be provided via the Evidence Plan process.	Technical note detailing how the operation and maintenance elements will look to reduce impact as far as practicable on land use and ground conditions.	Scoped out - The No LSE is no longer relevant to the revised onshore scope.					
TCPA	LUGC-29-O	All Onshore	Operation and Maintenance	Impact on ground conditions from localised heating impacts from the buried infrastructure	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	The MDS represents the maximum level of Land Use and Ground Conditions impacts that could occur as a result of the operational OECC.	Ground conditions	Primary Co20		LSE	Assessed in ES	An assessment will be undertaken involving baseline review of the geological units and their properties.	No Change					
TCPA	LUGC-30-D	All Onshore	Decommissioning	A repetition or increase in magnitude of the impacts related to the construction activities, throughout the decommissioning phase.	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	In the absence of further design information, it is assumed that all onshore infrastructure would be removed resulting in the maximum possible impact, rather than any element remaining in-situ.	Class 3 and Class 3/4 agricultural land	Tertiary Co6.		No LSE	Further evidence to be provided via the Evidence Plan process.	A note detailing how the decommissioning phase will be undertaken to reduce impacts as far as practicable on land use and ground conditions.	Scoped out - The No LSE is no longer relevant to the revised onshore scope.					
TCPA	TT-01-C	Onshore	Construction	Construction traffic movements and location of landfall/construction compounds may result in increases in traffic on the highway network, which may trigger Rules 1 or 2 of the IEMA traffic screening process.	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	Ensure all potential interactions are assessed	Users of the road network and transportation routes in the isle of Man	Tertiary Co17 Co19 Co28		LSE	Assessed in ES	Traffic Data required. Study area still TBC	No Change					
TCPA	TT-02-O	Onshore	Operation	Operational traffic movements may result in increases in traffic, and risk of traffic accidents, on the highway network, which may trigger Rules 1 or 2 of the IEMA traffic screening process.	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	Maximum design scenario represents the maximum spatial extent likely to be affected during the operation of the onshore infrastructure.	Users of the road network and transportation routes in the isle of Man	Tertiary Co17 Co19 Co28	Tertiary Co17 Co19 Co28	No LSE	Further evidence to be provided via the Evidence Plan process.	Further evidence to be provided via a technical note detailing the operational traffic movements within the defined study area and potential effects. Relevant statutory bodies to be consulted.	No Change					

TCPA	OAH-05-O	Onshore	Operation	In-Direct Effects: Short-term change within the setting of designated heritage assets as a result of maintenance activities.	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	As above.	Designated heritage assets	Tertiary Co13 Co19 Primary Co46	Tertiary Co13 Co19 Primary Co46	No LSE	Further evidence to be provided via the Evidence Plan process.	Note detailing how operation and maintenance works to be undertaken to ensure no impact resulting on LSE on heritage assets.	No Change					
TCPA	OAH-06-O	Offshore	Operation	In-Direct Effects: Change within the setting of onshore designated heritage assets as a result of WTGs.	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	Design scenario represents likely design of WTGs.	Designated heritage assets	None		LSE	Assessed in ES	Historic Environment Desk-Based Assessment (HEDBA).	No Change - Impact is now assessed in Chapter 15, Archaeology & Cultural Heritage					
TCPA	OAH-07-D	Onshore	Decommissioning	Direct Effects: None. It is anticipated that decommissioning would not necessitate the removal of terrestrial components associated with the buried cable and OnSS.	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	MDS assumes likely area to be affected for decommissioning of works	Archaeological remains	Tertiary Co6		No LSE	Further evidence to be provided via the Evidence Plan process.	Note detailing how decommissioning works will be undertaken to reduce potential for LSE as far as practicable	Scoped out - The No LSE is no longer relevant to the revised onshore scope.					
TCPA	AQ-01-C	All-Onshore	Construction	Dust generated from onshore construction activities on both human and ecological receptors.	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	Ensure all potential interactions are assessed	Human and ecological receptors.	Tertiary Co10 Co17 Co19	Tertiary Co10 Co17 Co19	No LSE	Detailed (to inform extent of dust controls to feed into CoCP)	Technical note on Air Quality	No Change - agreed as No LSE with TAG					
TCPA	AQ-02-C	All-Onshore	Construction	Road traffic movements generated by onshore construction activities on human receptors.	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	Ensure all potential interactions are assessed	Human and ecological receptors.	Tertiary Co28	Tertiary Co17 Co28	LSE	Assessed in ES	Dependant on availability of air quality data, assessment outcomes and consultation. Established at Scoping	Change to No LSE and agreed with TAG					
TCPA	AQ-03-C	All-Onshore	Construction	Road traffic movements generated by onshore construction activities on ecological receptors.	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	Ensure all potential interactions are assessed	Ecological receptors.	Tertiary Co17 Co28	Tertiary Co17 Co28	LSE	Assessed in ES	Dependant on availability of air quality data, assessment outcomes and consultation. Established at Scoping	Change to No LSE and agreed with TAG					
TCPA	AQ-04-C	All-Onshore	Construction	Emissions generated from NRM used during the construction phase.	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	Ensure all potential interactions are assessed	Human and ecological receptors.	Tertiary Co11 Co19	Tertiary Co11 Co17 Co19	No LSE	Further evidence to be provided via the Evidence Plan process.	Technical note on Air Quality	No Change - agreed as No LSE with TAG					

TCPA	HFR-03-C	Onshore	Construction	Potential damage to flood defence or surface water drainage infrastructure	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	The MDS will include the maximum number of cables anticipated to be installed within and assumes disturbance throughout the onshore ECC area therefore, the greatest area of land disturbance.	Flood defences or surface water drainage infrastructure.	Tertiary Co17 Co19		No LSE	Further evidence to be provided via the Evidence Plan process.	Technical note on Hydrology and Flood Risk.	Scoped out - The No LSE is no longer relevant to the revised onshore scope.					
TCPA	HFR-04-C	Onshore	Construction	Pollution or disruption of flow to groundwater through ground excavations or piling.	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	The MDS will include the maximum number of cables anticipated to be installed within and assumes disturbance throughout the onshore ECC area therefore, the greatest area of land disturbance.	Watercourses	Primary Co20 Tertiary Co17 Co19	Primary Co20 Tertiary Co17 Co19	No LSE	Further evidence to be provided via the Evidence Plan process.	Technical note on Hydrology and Flood Risk.	No Change - agreed as No LSE with TAG					
TCPA	HFR-05-C	Onshore	Construction	Accidental spillages and leakages of oils, fuel and other polluting substances which could potentially enter the water environment.	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	The MDS will include the maximum number of cables anticipated to be installed within and assumes disturbance throughout the onshore ECC area therefore, the greatest area of land disturbance.	Watercourses	Tertiary Co17 Co19	Tertiary Co17 Co19	No LSE	Further evidence to be provided via the Evidence Plan process.	Technical note on Hydrology and Flood Risk.	No Change - agreed as No LSE with TAG					
TCPA	HFR-06-O	Onshore	Operation	Any impact on WFD status (or equivalent) for assessed surface water or groundwater bodies.	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	The MDS will include the maximum number of cables anticipated to be installed within and assumes disturbance throughout the onshore ECC area therefore, the greatest area of land disturbance.	Watercourses	Tertiary Co19	Tertiary Co19	No LSE	Further evidence to be provided via the Evidence Plan process.	Technical note on Hydrology and Flood Risk.	No Change - agreed as No LSE with TAG					
TCPA	HFR-07-O	Onshore	Operation	Accidental spillages and leakages of oils, fuel and other polluting substances which could potentially enter the water environment	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	The MDS will include the maximum number of cables anticipated to be installed within and assumes disturbance throughout the onshore ECC area therefore, the greatest area of land disturbance.	Watercourses	Tertiary Co5	Tertiary Co5	No LSE	Further evidence to be provided via the Evidence Plan process.	Technical note on Hydrology and Flood Risk.	No Change - agreed as No LSE with TAG					
TCPA	HFR-08-D	Onshore	Decommissioning	Generation of turbid runoff which could enter the water environment	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	The MDS will include the maximum number of cables anticipated to be installed within and assumes disturbance throughout the onshore ECC area therefore, the greatest area of land disturbance.	Watercourses	Primary Co46 Tertiary Co6		No LSE	Further evidence to be provided via the Evidence Plan process.	Technical note on Hydrology and Flood Risk.	Scoped out - The No LSE is no longer relevant to the revised onshore scope.					
TCPA	HFR-09-D	Onshore	Decommissioning	Accidental spillages and leakages of oils, fuel and other polluting substances which could potentially enter the water environment during the decommissioning phase.	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m.	The MDS will include the maximum number of cables anticipated to be installed within and assumes disturbance throughout the onshore ECC area therefore, the greatest area of land disturbance.	Watercourses	Primary Co46 Tertiary Co6		No LSE	Further evidence to be provided via the Evidence Plan process.	Technical note on Hydrology and Flood Risk.	Scoped out - The No LSE is no longer relevant to the revised onshore scope.					
TCPA	HFR-10-D	Onshore	Decommissioning	Potential for damage to flood defence or surface water drainage infrastructure	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m.	The MDS will include the maximum number of cables anticipated to be installed within and assumes disturbance throughout the onshore ECC area therefore, the greatest area of land disturbance.	Flood defences or surface water drainage infrastructure.	Tertiary Co19		No LSE	Further evidence to be provided via the Evidence Plan process.	Technical note on Hydrology and Flood Risk.	Scoped out - The No LSE is no longer relevant to the revised onshore scope.					

TCPA	HFR-11-D	Onshore	Decommissioning	Pollution or disruption of flow to groundwater through ground excavations or piling.	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC:	The MDS will include the maximum number of cables anticipated to be removed and assumes disturbance throughout the onshore ECC area therefore, the greatest area of land disturbance. Included area of OnSS	Watercourses	Tertiary Co19	
TCPA	HH-01-C	Onshore	Construction	The generation of dust and particulates (e.g. from excavation or movement of dry materials) could have an adverse impact on human health.	See impacts register for Air Quality	Ensure all potential interactions are assessed	Human and ecological receptors.	Tertiary Co17 Co19 Co21	Tertiary Co17 Co19 Co21
TCPA	HH-02-C	Onshore	Construction	Exhaust emissions from construction traffic have the potential to contribute to local ambient concentrations of nitrogen oxide (NO _x) and particulate matter (PM10 and PM2.5), resulting in potential effects on human health.	See impacts register for Air Quality	N/A	Human and ecological receptors.	Tertiary Co17 Co19 Co28	
TCPA	HH-03-C	Onshore	Construction	Construction activities such as clearance of surface vegetation, could result in run-off materials into the local water sources.	See impacts register for Hydrology, Hydrogeology and Flood Risk.	The MDS will include the maximum number of cables anticipated to be installed within and assumes disturbance throughout the onshore ECC area therefore, the greatest area of land disturbance.	Watercourses	Tertiary Co17 Co19	Tertiary Co17 Co19
TCPA	HH-04-C	Onshore	Construction	Ground disturbance or the removal of hardstanding could increase the potential for leaching and the mobilisation of soluble contaminants.	See impacts register for Hydrology, Hydrogeology and Flood Risk.	The MDS will include the maximum number of cables anticipated to be installed within and assumes disturbance throughout the onshore ECC area therefore, the greatest area of land disturbance.	Watercourses	Tertiary Co19	Tertiary Co19
TCPA	HH-05-C	Onshore	Construction	Leaks and/or spills of contaminants, such as fuels and oils, used and stored during the construction phase could occur.	See impacts register for Hydrology, Hydrogeology and Flood Risk.	The MDS will include the maximum number of cables anticipated to be installed within and assumes disturbance throughout the onshore ECC area therefore, the greatest area of land disturbance.	Watercourses	Tertiary Co19	Tertiary Co19
TCPA	HH-06-C	Onshore	Construction	The impact of noise and vibration from construction activities due to the onshore landfall, cable route installation and substation construction could result in disturbance of local residence and commercial	See impacts register for Noise and Vibration.	The exact location of the OnSS, cable and HDD drilling zones not yet defined. Positioning plant at the extents of the RLB would lead to worst-case predicted noise levels at the nearest Noise-sensitive Receptors.	Human receptors and ecologically sensitive sites.	Tertiary Co17 Co19	
TCPA	HH-07-C	Onshore	Construction	The potential delays to existing routes and the potential severance of routes which could reduce the access to services (such as GPs and hospitals) and amenities (as recreational activities).	See impacts register for Traffic and Transport.	Ensure all potential interactions are assessed	Users of local road network requiring access to local services.	Tertiary Co28	
TCPA	HH-08-C	Onshore	Construction	Potential for temporary loss of access to community spaces due to construction of the onshore infrastructure. This could impact community and tourism receptors due to	See impacts register for Land Use and Ground Conditions.	In the absence of detailed design information, routes or locations, the MDS represents the maximum level of Land Use and Ground Conditions impacts that could occur as a result of the Proposed Development within the ESIA Scoping Boundaries.	Beaches.	Tertiary Co23	Tertiary Co23
TCPA	HH-09-O	Onshore	Operation	Residential and commercial properties could be affected by the operational noise associated with the onshore substation (and associated infrastructure)	See impacts register for Noise and Vibration.	The exact location of the OnSS not yet defined. Positioning OnSS plant at the extents of the RLB would lead to worst-case predicted noise levels at the nearest Noise-sensitive Receptors	Human receptors and ecologically sensitive sites.	Tertiary Co17 Co19 Co24	
TCPA	HH-11-D	Onshore	Decommissioning	Decommissioning activities such as clearance of surface vegetation, could result in run-off of materials into the local water sources.	See impacts register for Hydrology, Hydrogeology and Flood Risk.	The MDS will include the maximum number of cables and infrastructure anticipated to be removed.	Watercourses	Tertiary Co6	
TCPA	HH-12-D	Onshore	Decommissioning	The generation of dust and particulates (e.g. from excavation or movement of dry materials) potentially having an adverse impact on human health.	See impacts register for Air Quality	The MDS will include the maximum number of cables and infrastructure anticipated to be removed.	Human receptors and ecologically sensitive sites.	Tertiary Co6	

No LSE	Further evidence to be provided via the Evidence Plan process.	Technical note on Hydrology and Flood Risk.	Scoped out - The No LSE is no longer relevant to the revised onshore scope.
No LSE	Further evidence to be provided via the Evidence Plan process.	See air quality chapter	No Change - agreed as No LSE with TAG
LSE	Assessed in ES	See air quality chapter	No Change
No LSE	Further evidence to be provided via the Evidence Plan process.	See hydrology impacts register	No Change - agreed as No LSE with TAG
No LSE	Further evidence to be provided via the Evidence Plan process.	See hydrology impacts register	No Change - agreed as No LSE with TAG
LSE	Assessed in ES	See noise and vibration chapter	No Change
LSE	Assessed in ES	See Traffic and transport register	No Change
No LSE	Further evidence to be provided via the Evidence Plan process.	See Land Use and Ground Conditions Chapter	No Change - agreed as No LSE with TAG
LSE	Assessed in ES	Baseline survey to be undertaken at the receptor locations located close to the OnSS.	No Change
No LSE	Further evidence to be provided via the Evidence Plan process.	See hydrology impacts register	Scoped out - The No LSE is no longer relevant to the revised onshore scope.
No LSE	Further evidence to be provided via the Evidence Plan process.	See air quality chapter	Scoped out - The No LSE is no longer relevant to the revised onshore scope.

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TCPA	HH-13-D	Onshore	Decommissioning	Exhaust emissions from traffic associated with decommissioning could have the potential to contribute to local ambient concentrations of nitrogen dioxide (NO2), and particulate matter (PM10 and PM2.5).	See impacts register for Air Quality	The MDS will include the maximum number of cables and infrastructure anticipated to be removed.	Human receptors and ecologically sensitive sites.	Tertiary Co6	
TCPA	HH-14-D	Onshore	Decommissioning	Decommissioning activities such as clearance of surface vegetation, could result in run-off of materials into the local water sources.	See impacts register for Hydrology, Hydrogeology and Flood Risk.	The MDS will include the maximum number of cables and infrastructure anticipated to be removed.	Watercourses	Tertiary Co6	
TCPA	HH-15-D	Onshore	Decommissioning	The potential ground disturbance or the removal of hardstanding could increase the potential for leaching and the mobilisation of soluble contaminants.	See impacts register for Hydrology, Hydrogeology and Flood Risk.	The MDS will include the maximum number of cables and infrastructure anticipated to be removed.	Watercourses	Tertiary Co19	
TCPA	HH-16-D	Onshore	Decommissioning	Leaks and/or spills of contaminants, such as fuels and oils, used and stored during the decommissioning phase could occur.	See impacts register for Hydrology, Hydrogeology and Flood Risk.	The MDS will include the maximum number of cables and infrastructure anticipated to be removed.	Watercourses	Tertiary Co6	
TCPA	HH-17-D	Onshore	Decommissioning	The impact of noise and vibration from the decommissioning activities of onshore infrastructure could result in disturbance of local residence and commercial properties.	See impacts register for Noise and Vibration.	The MDS will include the maximum number of cables and infrastructure anticipated to be removed.	Human receptors	Tertiary Co6	
TCPA	MA&D-04-C-O-D	All onshore and offshore project infrastructure	Construction, operation and Decommissioning	Ground collapse during construction	All onshore project infrastructure. Onshore construction works to take place within a temporary construction corridor up to 60m in width. Design options onshore which involve more open excavation likely to present greatest risk to this impact arising.	Design options onshore which involve more open excavation likely to present greatest risk to this impact arising.	Onshore population in close proximity to construction area.	Tertiary Co19 Co36	Tertiary Co19 Co36
TCPA	MA&D-05-C-O-D	All onshore project infrastructure	Construction, operation and Decommissioning	Major road traffic accident, specifically, working over or adjacent to existing highways. Movement of construction vehicles along public roads and adjacent to public rights of way.	All onshore project infrastructure. Onshore construction works to take place within a temporary construction corridor up to 60m in width. Works including road crossing and sections along carriageway.	Works along carriageway and crossing likely to present greatest risk	User of highway network.	Tertiary Co23 Co36	Tertiary Co23 Co36
TCPA	LV-01-C	All onshore project infrastructure	Construction	Temporary change to landscape character as a result of construction, maintenance and decommissioning activities.	Installation, operation and maintenance, and decommissioning works associated with: Landfall: including up to 3 TJBs (one per circuit); Up to 3 onshore cable circuits installed in a permanent corridor up to 45 m wide, with a temporary construction corridor width of up to 60 m; and A single OnSS with a permanent footprint of 45x80m and a maximum building height of 25 m.	The maximum envelope for onshore infrastructure and therefore the greatest potential for change to landscape and visual amenity.	Landscape character	Primary Co21 Co47	Primary Co21 Co47
	LV-01-O	All onshore project infrastructure	Operation					Tertiary Co15	Tertiary Co15
	LV-01-D	All onshore project infrastructure	Decommissioning						
TCPA	LV-02-C	All onshore project infrastructure	Construction	Temporary effects on visual receptors as a result of construction, maintenance and decommissioning activities.	Installation, operation and maintenance, and decommissioning works associated with: Landfall: including up to 3 TJBs (one per circuit); Up to 3 onshore cable circuits installed in a permanent corridor up to 45 m wide, with a temporary construction corridor width of up to 60 m; and A single OnSS with a permanent footprint of 45x80m and a maximum building height of 25 m.	The maximum envelope for onshore infrastructure and therefore the greatest potential for change to landscape and visual amenity.	Visual receptors; Visual amenity.	Primary Co21 Co47	Primary Co21 Co47
	LV-02-O	All onshore project infrastructure	Operation					Tertiary Co15	Tertiary Co15
	LV-02-D	All onshore project infrastructure	Decommissioning						

No LSE	Further evidence to be provided via the Evidence Plan process.	See air quality chapter and traffic and transport chapter	Scoped out - The No LSE is no longer relevant to the revised onshore scope.
No LSE	Further evidence to be provided via the Evidence Plan process.	See hydrology impacts register	Scoped out - The No LSE is no longer relevant to the revised onshore scope.
No LSE	Further evidence to be provided via the Evidence Plan process.	See hydrology impacts register	Scoped out - The No LSE is no longer relevant to the revised onshore scope.
No LSE	Further evidence to be provided via the Evidence Plan process.	See hydrology impacts register	Scoped out - The No LSE is no longer relevant to the revised onshore scope.
No LSE	Further evidence to be provided via the Evidence Plan process.	See noise and vibration chapter	Scoped out - The No LSE is no longer relevant to the revised onshore scope.
No LSE	Further evidence to be provided via the Evidence Plan process.	See LUGC No LSE Position Paper	No Change - agreed as No LSE with TAG
No LSE	Further evidence to be provided via the Evidence Plan process.	See traffic and transport No LSE Position Paper	No Change
No LSE	Further evidence to be provided via the Evidence Plan process.	Provision of further evidence with regard to temporary nature of effects associated with this effect.	No Change
			No Change
			Scoped out - The No LSE is no longer relevant to the revised onshore scope.
No LSE	Further evidence to be provided via the Evidence Plan process.	Provision of further evidence with regard to temporary nature of effects associated with this effect.	No Change
			No Change
			Scoped out - The No LSE is no longer relevant to the revised onshore scope.

TCPA	LV-03-C	All onshore project infrastructure	Construction	Temporary changes to landscape character or special qualities of designated landscapes as a result of construction, maintenance and decommissioning activities.	Installation, operation and maintenance, and decommissioning works associated with: Landfall: including up to 3 TJBs (one per circuit); Up to 3 onshore cable circuits installed in a permanent corridor up to 45 m wide, with a temporary construction corridor width of up to 60 m; and A single OnSS with a permanent footprint of 45x80m and a maximum building height of 25 m.	The maximum envelope for onshore infrastructure and therefore the greatest potential for change to landscape and visual amenity.	Designated landscapes	Primary Co21 Co47	Primary Co21 Co47
	LV-03-O	All onshore project infrastructure	Operation					Tertiary Co15	Tertiary Co15
	LV-03-D	All onshore project infrastructure	Decommissioning						
TCPA	LV-04-C	All onshore project infrastructure	Construction	Temporary changes to physical landscape features as a result of construction, maintenance and decommissioning activities.	Installation, operation and maintenance, and decommissioning works associated with: Landfall: including up to 3 TJBs (one per circuit); Up to 3 onshore cable circuits installed in a permanent corridor up to 45 m wide, with a temporary construction corridor width of up to 60 m; and A single OnSS with a permanent footprint of 45x80m and a maximum building height of 25 m.	The maximum envelope for onshore infrastructure and therefore the greatest potential for change to landscape and visual amenity.	Physical landscape	Primary Co21 Co47	Primary Co21 Co47
	LV-04-O	All onshore project infrastructure	Operation					Tertiary Co15	Tertiary Co15
	LV-04-D	All onshore project infrastructure	Decommissioning						
TCPA	LV-05-O	Onshore Substation	Operation	Long-term changes to landscape character due to the presence of permanent onshore infrastructure	A single OnSS with a permanent footprint of 45x80m and a maximum building height of 25 m.	The maximum envelope for the OnSS and therefore the greatest potential for change to landscape and visual amenity.	Landscape character	Tertiary Co15	Tertiary Co15
TCPA	LV-06-O	Onshore Substation	Operation	Long-term effects on visual receptors due to the presence of permanent onshore infrastructure.	A single OnSS with a permanent footprint of 45x80m and a maximum building height of 25 m.	The maximum envelope for the OnSS and therefore the greatest potential for change to landscape and visual amenity.	Visual receptors; Visual amenity.	Tertiary Co15	Tertiary Co15
TCPA	LV-07-O	Onshore Substation	Operation	Long term changes to landscape character or special qualities of designated landscapes due to the presence of permanent inshore infrastructure.	A single OnSS with a permanent footprint of 45x80m and a maximum building height of 25 m.	The maximum envelope for the OnSS and therefore the greatest potential for change to landscape and visual amenity.	Designated landscapes	Tertiary Co15	Tertiary Co15
TCPA	LV-08-O	Onshore Substation	Operation	Long term changes to physical landscape features due to the presence of permanent inshore infrastructure.	A single OnSS with a permanent footprint of 45x80m and a maximum building height of 25 m.	The maximum envelope for the OnSS and therefore the greatest potential for change to landscape and visual amenity.	Physical landscape	Tertiary Co15	Tertiary Co15
TCPA	LV-09-C	All onshore project infrastructure	Construction	Night-time effects on landscape and visual receptors	Installation, operation and maintenance, and decommissioning works associated with: Landfall: including up to 3 TJBs (one per circuit); Up to 3 onshore cable circuits installed in a permanent corridor up to 45 m wide, with a temporary construction corridor width of up to 60 m; and A single OnSS with a permanent footprint of 45x80m and a maximum building height of 25 m.	The maximum envelope for onshore infrastructure and therefore the greatest potential for change to landscape and visual amenity.	Visual receptors; Visual amenity.	Tertiary Co15	Tertiary Co15
	LV-09-O	All onshore project infrastructure	Operation						
	LV-09-D	All onshore project infrastructure	Decommissioning						
TCPA	TBC	All offshore	Cumulative Effects	As above.	As above.	As above	As above.	As above.	As above.
TCPA	TBC	All offshore	Transboundary Effects	As above.	As above.	As above	As above.	As above.	As above.
TCPA	TBC	All offshore	Inter-related Effects	N/A	As above.	As above	As above.	As above.	As above.

No LSE	Further evidence to be provided via the Evidence Plan process.	Provision of further evidence with regard to temporary nature of effects associated with this effect.	No Change
			No Change
			Scoped out - The No LSE is no longer relevant to the revised onshore scope.
No LSE	Further evidence to be provided via the Evidence Plan process.	Provision of further evidence with regard to temporary nature of effects associated with this effect.	No Change
			No Change
			Scoped out - The No LSE is no longer relevant to the revised onshore scope.
LSE	Assessed in ES.	Site photography, wirelines and visualisations; ZTV analysis.	Change to No LSE and agreed with TAG
LSE	Assessed in ES.	Site photography, wirelines and visualisations; ZTV analysis.	Change to No LSE and agreed with TAG
LSE	Assessed in ES.	Site photography, wirelines and visualisations; ZTV analysis.	Change to No LSE and agreed with TAG
LSE	Assessed in ES.	Site photography, wirelines and visualisations; ZTV analysis.	Change to No LSE and agreed with TAG
No LSE	Further evidence to be provided via the Evidence Plan process.	Provision of further evidence with regard to lighting requirements.	No Change
			No Change
			No Change
LSE	Assessed in ES.	As above.	No Change
No LSE	See Transboundary Screening Annex 5.D	As above.	No Change
		N/A	
LSE	Assessed in ES.	As above.	No Change

Moor Vannin Impacts Register



Impact Background									
Consent	ID	Project Element	Original Project Phase	Project Activity and Impact	Maximum Design Scenario (MDS)	Justification for MDS	Receptor(s)	Commitments at Scoping	Commitments at EPP
TCPA	NV-01-C	Onshore ECC	Construction	Noise: Construction Phase. Temporary noise from onshore cable route installation (excluding HDD works)	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	The exact location of the ECC has yet to be defined. Positioning plant at the extents of the RLB would lead to worst-case predicted noise levels at the nearest Noise-sensitive Receptors.	Human receptors and ecologically sensitive sites.	Tertiary Co11 Co17	
TCPA	NV-02-C	Onshore ECC	Construction	Noise: Construction Phase. Temporary noise from onshore Horizontal Drilling Works (HDD)	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	The exact location of the HDD drilling zones not yet defined. Positioning plant at the extents of the RLB would lead to worst-case predicted noise levels at the nearest Noise-sensitive Receptors.	Human receptors and ecologically sensitive sites.	Tertiary Co17 Co19 Co48	
TCPA	NV-03-C	Onshore ECC	Construction	Vibration: Construction Phase Temporary vibration from onshore Horizontal Drilling Works (HDD)	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	The exact location of the HDD drilling zones not yet defined. Positioning plant at the extents of the RLB would lead to worst-case predicted vibration levels at the nearest Noise-sensitive Receptors.	Human receptors and ecologically sensitive sites.	Tertiary Co17 Co19 Co48	

EIS Scoping			
Likely Significance of Effect at Scoping Stage and Justification	Proposed Approach	Further Evidence	Updates Since Scoping
LSE	Assessed in ES	Baseline survey has been undertaken	No change
LSE	Assessed in ES	Baseline survey has been undertaken	No change
LSE	Assessed in ES	No further baseline data required.	No change

Moor Vannin Impacts Register



Impact Background									
Consent	ID	Project Element	Original Project Phase	Project Activity and Impact	Maximum Design Scenario (MDS)	Justification for MDS	Receptor(s)	Commitments at Scoping	Commitments at EPP
TCPA	NV-04-C	Landfall	Construction	Noise: Construction Phase. Temporary noise from landfall construction and cable installation (excluding HDD)	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	The exact location of the landfall has yet to be defined. Positioning plant at the extents of the RLB would lead to worst-case predicted noise levels at the nearest Noise-sensitive Receptors.	Human receptors and ecologically sensitive sites.	Tertiary Co17 Co19 Co48	
TCPA	NV-05-C	Landfall	Construction	Vibration: Construction Phase Temporary vibration from onshore Horizontal Drilling Works (HDD) and Cofferdam	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	The exact location of the HDD drilling zones to the landfall not yet defined. Positioning plant at the extents of the RLB or at closest approach would lead to worst-case predicted vibration levels at the nearest Vibration-sensitive Receptors.	Human receptors and ecologically sensitive sites.	Tertiary Co17 Co19 Co48	
TCPA	NV-06-C	OnSS	Construction	Noise: Construction Phase. Temporary noise from OnSS construction	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	The exact location of the OnSS has yet to be defined. Positioning plant at the extents of the RLB would lead to worst-case predicted noise levels at the nearest Noise-sensitive Receptors.	Human receptors and ecologically sensitive sites.	Tertiary Co17 Co19 Co48	

EIS Scoping			
Likely Significance of Effect at Scoping Stage and Justification	Proposed Approach	Further Evidence	Updates Since Scoping
LSE	Assessed in ES	Baseline survey has been undertaken	No change
LSE	Assessed in ES	Baseline survey has been undertaken	No change
LSE	Assessed in ES	No further baseline data required.	Scoped out - The LSE is no longer relevant to the revised onshore scope.

Moor Vannin Impacts Register



Impact Background									
Consent	ID	Project Element	Original Project Phase	Project Activity and Impact	Maximum Design Scenario (MDS)	Justification for MDS	Receptor(s)	Commitments at Scoping	Commitments at EPP
TCPA	NV-07-C	OnSS	Construction	Vibration: Construction Phase Temporary vibration from piling operation associated with OnSS foundations	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	The exact location of the OnSS not yet defined. Positioning percussive piling rig at the extents of the RLB would lead to worst-case predicted vibration levels at the nearest Vibration-sensitive Receptors.	Human receptors and ecologically sensitive sites.	Tertiary Co17 Co19 Co48	
TCPA	NV-08-O	OnSS	Operation	Noise: Operational Phase Permanent noise from the operation of the OnSS	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	The exact location of the OnSS not yet defined. Positioning OnSS plant at the extents of the RLB would lead to worst-case predicted noise levels at the nearest Noise-sensitive Receptors	Human receptors and ecologically sensitive sites.		
TCPA	NV-09-C	All onshore	Construction	Noise: Construction Phase Temporary noise from all construction traffic	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBs with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	The assessment will consider the worst-case traffic movements along the most affected links, leading to an MDS at the receptors	Human receptors and ecologically sensitive sites.	Tertiary Co17 Co19 Co48	

EIS Scoping			
Likely Significance of Effect at Scoping Stage and Justification	Proposed Approach	Further Evidence	Updates Since Scoping
LSE	Assessed in ES	No further baseline data required.	Scoped out - The LSE is no longer relevant to the revised onshore scope.
LSE	Assessed in ES	No further baseline data required.	Scoped out - The LSE is no longer relevant to the revised onshore scope.
LSE	Assessed in ES	No further baseline data required. Inputs from Traffic assessment.	No change

Moor Vannin Impacts Register



Impact Background									
Consent	ID	Project Element	Original Project Phase	Project Activity and Impact	Maximum Design Scenario (MDS)	Justification for MDS	Receptor(s)	Commitments at Scoping	Commitments at EPP
TCPA	NV-10-O	Onshore ECC	Operation	Noise and Vibration: Operational Phase Noise and vibration from the buried cables	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBS with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	The MDS identifies the greatest physical footprint of the buried cables and therefore the greatest impact for impact.		N/A	
TCPA	NV-11-D	Onshore ECC	Decommissioning	Noise and Vibration: Decommissioning Phase Temporary noise and vibration from decommissioning	Landfall: There are 2 landfall options, either one or both options will be used. Constructed using open cut trenching. TJB: 3 TJBS with an allowance for 2 failures. Depth of 6m. OECC: OECC will connect into the TJB approximately 250m inland of Mean High Water (MHW). There will be 3 OECCs with a diameter of 250mm.	The MDS identifies the greatest physical footprint of the Proposed Development and therefore the greatest impact for impact.		Tertiary Co6	
TCPA	NV-13-O	Offshore Array	Operation	Noise: Operational Phase Permanent noise from the operation of the Array	Up to 100 WTGs on monopile foundations; Up to 5 OSSs on piled foundations; Installation using percussive piling; Clearance of UXO by low and/or high order detonation.	Realistic scenario	Human receptors and ecologically sensitive sites.		
TCPA	NV-14-C	Offshore Array	Construction	Noise: Construction Phase Temporary Construction Noise from Offshore Array	Up to 100 WTGs on monopile foundations; Up to 5 OSSs on piled foundations; Installation using percussive piling; Clearance of UXO by low and/or high order detonation.		Human receptors and ecologically sensitive sites.	Tertiary Co17 Co19 Co48	

EIS Scoping			
Likely Significance of Effect at Scoping Stage and Justification	Proposed Approach	Further Evidence	Updates Since Scoping
No LSE	Further evidence to be provided via the Evidence Plan process.	Note detailing how the buried cable during operation phase will not result in significant effects on sensitive receptors.	No Change - agreed as No LSE with TAG
No LSE	Further evidence to be provided via the Evidence Plan process.	Note detailing how onshore infrastructure will not result in significant effects on sensitive receptors during decommissioning.	Change from No LSE - to be assessed in ES
LSE	Assessed in ES	No further baseline data required, assessment based on absolute noise limits.	No change
LSE	Assessed in ES	Baseline survey has been undertaken	No change

Impact Background								
Consent	ID	Project Element	Original Project Phase	Project Activity and Impact	Maximum Design Scenario (MDS)	Justification for MDS	Receptor(s)	Commitments
Both	CC-01-C	All onshore and offshore project	Construction	GHG emissions arising from land-use change during the construction, operation and maintenance and decommissioning phase	Onshore cables installed by direct-lay in trenches, or pulled through pre-installed ducting; there will be up to 9 cables (3 x 3 single core cables); there will be 3 trenches (1 per circuit); permanent corridor up to 45m; temporary construction corridor up to 60m. Offshore the MDS would comprise a maximum number of WTGs = 100 up to 389m in height.	The maximum adverse scenario is defined by the infrastructure that may affect or be affected by climate change i.e. all onshore and offshore project infrastructure	All marine mammal species and onshore habitats and species.	Tertiary Co19
	CC-01-O	All onshore and offshore project	Operation					
	CC-01-D	All onshore and offshore project	Decommissioning					
Both	CC-02-C	All onshore and offshore project	Construction	The vulnerability and climate resilience of the Project infrastructure during the construction and decommissioning phase.	Onshore cables installed by direct-lay in trenches, or pulled through pre-installed ducting; there will be up to 9 cables (3 x 3 single core cables); there will be 3 trenches (1 per circuit); permanent corridor up to 45m; temporary construction corridor up to 60m. Offshore the MDS would comprise a maximum number of WTGs = 100 up to 389m in height.	The maximum adverse scenario is defined by the infrastructure that may affect or be affected by climate change i.e. all onshore and offshore project infrastructure	All marine mammal species and onshore habitats and species.	Tertiary Co51
	CC-02-O	All onshore and offshore project	Operation					
	CC-02-D	All onshore and offshore project	Decommissioning					
Both	CC-03-C	All onshore and offshore project infrastructure	Construction	The impact of GHG emissions arising from the manufacturing and installation of the Project.	Onshore cables installed by direct-lay in trenches, or pulled through pre-installed ducting; there will be up to 9 cables (3 x 3 single core cables); there will be 3 trenches (1 per circuit); permanent corridor up to 45m; temporary construction corridor up to 60m. Offshore the MDS would comprise a maximum number of WTGs = 100 up to 389m in height.	The maximum adverse scenario is defined by the infrastructure that may affect or be affected by climate change i.e. all onshore and offshore project infrastructure	All marine mammal species and onshore habitats and species.	Tertiary Co14
Both	CC-02-O	All onshore and offshore project infrastructure	Operation	The vulnerability and climate resilience of the Project infrastructure during the operation and maintenance phase.	All onshore and offshore project infrastructure	The maximum adverse scenario is defined by the infrastructure that may affect or be affected by climate change i.e. all onshore and offshore project infrastructure	All marine mammal species and onshore habitats and species.	Tertiary Co51
Both	CC-04-O	All onshore and offshore project infrastructure	Operation	The impact of GHG emissions arising from the consumption of materials and activities required to facilitate the operation and maintenance phase	All onshore and offshore project infrastructure	The maximum adverse scenario is defined by the infrastructure that may affect or be affected by climate change i.e. all onshore and offshore project infrastructure	All marine mammal species and onshore habitats and species.	Tertiary Co50
Both	CC-05-O	All onshore and offshore project infrastructure	Operation	Net contribution to the Isle of Man's climate targets	The maximum MW hours produced by the operational windfarm	The maximum adverse scenario is defined by the infrastructure that may affect or be affected by climate change i.e. all onshore and offshore project infrastructure	All marine mammal species and onshore habitats and species.	Tertiary Co50
Both	CC-06-D	All onshore and offshore project infrastructure	Decommissioning	The impact of GHG emissions arising from decommissioning works (e.g. plant, fuel and vessel use) and the recovery (or disposal) of materials.	All onshore and offshore project infrastructure	The maximum adverse scenario is defined by the infrastructure that may affect or be affected by climate change i.e. all onshore and offshore project infrastructure	All marine mammal species and onshore habitats and species.	Tertiary Co6
Both	TBC	All onshore and offshore project infrastructure	Cumulative Effects	As Above	As Above	As Above	As Above	As Above
Both	TBC	All onshore and offshore project infrastructure	Transboundary Effects	As Above	As Above	As Above	As Above	As Above
Both	TBC	All onshore and offshore project infrastructure	Inter-related Effects	N/A	As Above	As Above	As Above	As Above

EIA Scoping			
Likely Significance of Effect at Scoping Stage and Justification	Proposed Approach	Further Evidence	Updates Since Scoping
No LSE	Further evidence to be provided via the Evidence Plan Process	Provision of evidence via technical note detailing how infrastructure is resilient to changes in the climate.	No LSE agreed through EPP (CC-D1-01)
No LSE	Further evidence to be provided via the Evidence Plan Process	Provision of evidence via technical note detailing how GHG emission on land use will not result in LSE.	No LSE agreed through EPP (CC-D1-02)
LSE	Assessed in ES	Use of published EPD's concerning Life Cycle Assessment research into embodied carbon associated with the construction of wind turbines and wind farm developments.	No change
LSE	Assessed in ES	Details of Project infrastructure	No change
LSE	Assessed in ES	Use of published EPD's concerning Life Cycle Assessment research into embodied carbon associated with the operation and maintenance of wind turbines and wind farm developments.	No change
LSE	Assessed in ES	Future baseline environment will be based on Manx projections for grid average marginal carbon intensity of electricity generation.	No change
LSE	Assessed in ES	Use of published EPD's concerning Life Cycle Assessment research into embodied carbon associated with decommissioning (recycling and recovery) of wind turbines and wind farm developments.	No change
LSE	As above	N/A	No change
No LSE	Assessed in ES	N/A	No change
LSE	As Above	N/A	No change

Consent	Impact Background							
	ID	Project Element	Original Project Phase	Project Activity and Impact	Maximum Design Scenario (MDS)	Justification for MDS	Receptor(s)	Commitments
TCPA	SE-01-C	All	Construction	Effects on employment within the Isle of Man.	Minimum job creation as a result of the Proposed Development.	The lowest level of job creation anticipated and therefore the lowest potential for beneficial effect.	Employment figures.	Tertiary Co18, Co32, Co23
	SE-01-O	All	Operation					
	SE-01-D	All	Decommissioning					
TCPA	SE-02-C	All	Construction	Effects on GVA within the Isle of Man.	Minimum GVA as a result of the Proposed Development.	The lowest level of increase to GVA and therefore the lowest potential for beneficial effect.	GVA	Tertiary Co18, Co32, Co23
	SE-02-O	All	Operation					
	SE-02-D	All	Decommissioning					
TCPA	SE-03-C	All	Construction	Effects on the demographics of the Isle of Man.	Maximum capacity of the Proposed Development and the highest number of migrant workers required.	The highest number of migrant workers required and therefore the greatest potential for demographic changes.	Demographics	Tertiary Co18, Co32, Co23
	SE-03-O	All	Operation					
	SE-03-D	All	Decommissioning					
TCPA	SE-04-C	All	Construction	Socioeconomic effects due to disruption to tourism and recreation receptors within the local onshore study	Maximum extent of terrestrial infrastructure.	The largest extent of infrastructure and therefore the greatest potential for impact.	Tourism and recreational facilities/ receptors	Tertiary Co18, Co32, Co23
	SE-04-O	All	Operation					
TCPA	SE-05-C	All	Construction	Socioeconomic effects due to disruption to social community infrastructure receptors within the local onshore study area.	Maximum extent of terrestrial infrastructure.	The largest extent of infrastructure and therefore the greatest potential for impact.	Social community infrastructure/ receptors	Tertiary Co18, Co32, Co23
	SE-05-O	All	Operation					
TCPA	SE-06-C	All	Construction	Socioeconomic effects as a result of disruption to offshore recreational receptors.	Maximum extent of terrestrial infrastructure.	The largest extent of infrastructure and therefore the greatest potential for impact.	Tourism and recreational facilities/ receptors	Tertiary Co18, Co32, Co23
	SE-06-O	All	Operation					
	SE-06-D	All	Decommissioning					
TCPA	SE-07-C	All	Construction	Effects on the volume and value of tourism as a result of displacement of tourism visitors within the Isle of Man.	Maximum capacity of the Proposed Development and the highest number of migrant workers required.	The highest number of migrant workers required and therefore the greatest potential for demographic changes.	Tourism and recreational facilities/ receptors	Tertiary Co18, Co32, Co23
	SE-07-O	All	Operation					
	SE-07-D	All	Decommissioning					
TCPA	SE-08-C	All	Construction	Increased demand for healthcare services.	Maximum capacity of the Proposed Development and the highest number of migrant workers required.	The highest number of migrant workers required and therefore the greatest potential for demographic changes.	Healthcare services	Tertiary Co18, Co32, Co23
	SE-08-O	All	Operation					
	SE-08-D	All	Decommissioning					
TCPA	SE-09-C	All	Construction	Increased demand for emergency services (the Police, Fire and Emergency Medical Services).	Maximum capacity of the Proposed Development and the highest number of migrant workers required.	The highest number of migrant workers required and therefore the greatest potential for demographic changes.	Emergency services	Tertiary Co18, Co32, Co23
	SE-09-O	All	Operation					
	SE-09-D	All	Decommissioning					
TCPA	SE-10-C	All	Construction	Effects on the volume and value of tourism within the Isle of Man.	See Impacts Register for SLVIA.	The highest potential for visual change and therefore the greatest potential for knock-on effects on tourists.	Tourism and recreational facilities/ receptors	Tertiary Co18, Co32, Co23
	SE-10-O	All	Operation					
	SE-10-D	All	Decommissioning					
TCPA	SE-11-C	All	Construction	Effects on visitors access to sites and the shoreline due to construction, operation and decommissioning of the Proposed Development.	Maximum extent of terrestrial infrastructure.	Largest potential impact on access to sites and the shoreline.	Visitor numbers/ tourism receptors	Tertiary Co18, Co32, Co23
	SE-11-O	All	Operation					
	SE-11-D	All	Decommissioning					

EIA Scoping			
Likely Significance of Effect at Scoping Stage and Justification	Proposed Approach	Further Baseline Data Requirements	Updates Since Scoping
LSE	Assessed in ES.	Employment data	No change
LSE	Assessed in ES.	GVA figures	No change
No LSE	Further evidence to be provided via the Evidence Plan process.	Population data and trends	No LSE agreed through EPP (SE-D1.01)
LSE	Assessed in ES.	Desk based search of onshore recreation and tourism receptors	No change
LSE	Assessed in ES.	Desk based search of SCI receptors within the local onshore study area	No change
LSE	Assessed in ES.	Desk based search of offshore recreation receptors	No change
LSE	Assessed in ES.	Accommodation (no. of rooms, type, beds, vacancy)	No change
No LSE	Further evidence to be provided via the Evidence Plan process.	Desk based search of healthcare services within the local onshore study area	No LSE agreed through EPP (SE-D1.02)
No LSE	Further evidence to be provided via the Evidence Plan process.	Desk based search of emergency services within the local onshore study area	No LSE agreed through EPP (SE-D1.03)
LSE	Assessed in ES.	Economic impact of tourism reports, tourism	No change
No LSE	Further evidence to be provided via the Evidence Plan process.	Visitor sites and coastline baseline assessment.	No LSE agreed through EPP (SE-D1.04)

TCPA	SE-12-C	All	Construction	Effects on visitors safety and collision risks with offshore infrastructure.	Maximum extent of offshore infrastructure.	The largest extent of infrastructure and therefore the greatest potential for impact.	Visitor numbers/ tourism receptors	Tertiary Co18, Co32, Co23
	SE-12-O	All	Operation					
	SE-12-D	All	Decommissioning					
TCPA	SE-13-C	All	Construction	Effect on the enjoyment of offshore recreational activities (including effects on enjoyment of marine wildlife and scuba diving).	Maximum extent of offshore infrastructure.	The largest extent of infrastructure and therefore the greatest potential for impact.	Tourists/ tourism receptors	Tertiary Co18, Co32, Co23
	SE-13-O	All	Operation					
	SE-13-D	All	Decommissioning					
TCPA	SE-14-C	All	Construction	Effects on local beaches (energy effects).	Maximum extent of offshore infrastructure.	The largest extent of infrastructure and therefore the greatest potential for impact.	Visitor numbers/ tourism receptors	Tertiary Co18, Co32, Co23
	SE-14-O	All	Operation					
	SE-14-D	All	Decommissioning					
TCPA	SE-15-C	All	Construction	Creation of tourism and leisure activities (e.g. sight seeing).	Maximum extent of offshore infrastructure.	The largest extent of infrastructure and therefore the greatest potential for impact.	Visitor numbers/ tourism receptors	Tertiary Co18, Co32, Co23
	SE-15-O	All	Operation					
	SE-15-D	All	Decommissioning					
TCPA	SE-16-C	All	Construction	Increased on demand for housing and school places due to influx of project workers.	Maximum capacity of the Proposed Development and the highest number of migrant workers required.	The highest number of migrant workers required and therefore the greatest potential for demographic changes.	Social community infrastructure/ receptors	Tertiary Co18, Co32, Co23
	SE-16-O	All	Operation					
	SE-16-D	All	Decommissioning					
TCPA	SE-17-O	All	Operation	Increase in IoM GDP as a result of increased exports.	Minimum capacity of the Proposed Development.	The lowest level of increase to GVA and therefore the lowest potential for beneficial effect.	GDP	Tertiary Co18, Co32, Co23
TCPA	SE-18-C	All	Construction	Economic impact due to disruptions to shipping lanes.	See Impacts Register for Shipping and Navigation.	Highest potential for impacts on shipping and therefore greatest potential for knock-on effects on economy.	The local economy	Tertiary Co18, Co32, Co23
	SE-18-O		Operation					
	SE-18-D		Decommissioning					
TCPA	TBC	All	Cumulative Effects	As above.	As above.	As above	As above.	As above.
TCPA	TBC	All	Transboundary Effects	As above.	As above.	As above	As above.	As above.
TCPA	TBC	All	Inter-related Effects	N/A	As above.	As above	As above.	As above.

No LSE	Further evidence to be provided via the Evidence Plan process.	Baseline data assessment of shipping and navigation.	No LSE agreed through EPP (SE-D1.05)
LSE	Assessed in ES.	Desk based search of offshore recreation activities and organisations .	No change
No LSE	Further evidence to be provided via the Evidence Plan process.	Literature review of evidence of impact of offshore wind on wave energy received by local beaches.	No LSE agreed through EPP (SE-D1.06)
LSE	Assessed in ES.	Economic impact of tourism reports, tourism sector employment, key visitor attractions, visitor surveys	No change
No LSE	Further evidence to be provided via the Evidence Plan process.	Housing stock data and schools pupil capacity.	No LSE agreed through EPP (SE-D1.07)
LSE	Assessed in ES.	Exports	No change
LSE	Assessed in ES.	Cross reference to scoping info provided in shipping and chapter.	No change
LSE	Assessed in ES.	As above.	No change
No LSE	See Transboundary Screening Annex 5.A	N/A	No change
LSE	Assessed in ES.	As above.	No change

Impact Background								
Consent	ID	Project Element	Original Project Phase	Project Activity and Impact	Maximum Design Scenario (MDS)	Justification for MDS	Receptor(s)	Commitments
Both	MA&D-01	All onshore and offshore project infrastructure	Construction, operation and Decommissioning	Extreme weather conditions during the construction, operation and maintenance and decommissioning phase	All onshore and offshore project infrastructure. Onshore construction works to take place within a temporary construction corridor up to 60m in width. Construction works to include areas of open trenching, excavations, HDD and exposed areas.	All project infrastructure may be affected by this - no design scenario likely to be more susceptible to this impact	Sea users and onshore population in close proximity to construction, operation and maintenance area.	Tertiary Co24 Co36
Both	MA&D-02	All onshore and offshore project infrastructure	Construction	Buried cables during the construction, operation and maintenance and decommissioning phase. This to include the potential for ships snagging offshore cables during construction.	All onshore and offshore project infrastructure. Onshore construction works to take place within a temporary construction corridor up to 60m in width. Design options onshore which involve more open excavation likely to present greatest risk to this impact arising.	Design options onshore which involve more open excavation likely to present greatest risk to this impact arising.	Sea users and onshore population in close proximity to construction, operation and maintenance area.	Tertiary Co19 Co24 Co23
Both	MA&D-03	All onshore and offshore project infrastructure	Construction, operation and Decommissioning	Potential aircraft or shipping strike with offshore infrastructure	All design scenarios offshore likely to present similar level of risk - cross reference to be made with other relevant chapters in the ES - shipping & navigation and aviation.	details provided in Shipping & Navigation and Aviation.	Air users and sea users.	Tertiary Co36
Both	MA&D-04	All onshore and offshore project infrastructure	Construction, operation and Decommissioning	Ground collapse during construction	All onshore project infrastructure. Onshore construction works to take place within a temporary construction corridor up to 60m in width. Design options onshore which involve more open excavation likely to present greatest risk to this impact arising.	Design options onshore which involve more open excavation likely to present greatest risk to this impact arising.	Onshore population in close proximity to construction area.	Tertiary Co19 Co36
Both	MA&D-05	All onshore project infrastructure	Construction, operation and Decommissioning	Major road traffic accident, specifically, working over or adjacent to existing highways. Movement of construction vehicles along public roads and adjacent to public rights of way.	All onshore project infrastructure. Onshore construction works to take place within a temporary construction corridor up to 60m in width. Works including road crossing and sections along carriageway.	Works along carriageway and crossing likely to present greatest risk	User of highway network.	Tertiary Co23 Co36
Both	MA&D-06	All onshore project infrastructure	Construction, operation and Decommissioning	Manual Handling, Falls of persons from heights, Contact with live electrical conductors, Slips trips and falls. Injuries to plant, cable twisting and jamming.	All onshore and offshore project infrastructure	The maximum adverse scenario is defined by the infrastructure that may be affected by major accidents and disasters i.e. all onshore project infrastructure	Construction workers.	Tertiary Co19 Co24
Both	MA&D-07	All onshore project infrastructure	Construction, operation and Decommissioning	Increased likelihood of small earthquakes (magnitudes smaller than 1) through the steam removal and water return caused by drilling. This in turn can produce new instability along fault or fracture lines.	All onshore and offshore project infrastructure	The maximum adverse scenario is defined by the infrastructure that may be affected by major accidents and disasters i.e. all onshore project infrastructure	Sea users and onshore population in close proximity to construction, operation and maintenance area.	Tertiary Co36
Both	TBC	All onshore project infrastructure	Cumulative Effects	As Above	As Above	As Above	As Above	As Above
Both	TBC	All onshore project infrastructure	Transboundary Effects	As Above	As Above	As Above	As Above	As Above
Both	TBC	All onshore project infrastructure	Inter-related Effects	N/A	As Above	As Above	As Above	As Above

EIA Scoping			
Likely Significance of Effect at Scoping Stage and Justification	Proposed Approach	Further Evidence	Updates Since Scoping
No LSE	Assessed in ES.	Weather data	No Change
No LSE	Further evidence to be provided via the Evidence Plan process.	See Shipping and Navigation chapter	No Change
No LSE	Assessed in ES.	Refer to Shipping & Navigation and Aviation chapters.	No Change
No LSE	Further evidence to be provided via the Evidence Plan process.	See Ground Conditions Chapter	No Change - agreed as No LSE with TAG
No LSE	Further evidence to be provided via the Evidence Plan process.	See traffic and transport chapter	No Change
No LSE	Further evidence to be provided via the Evidence Plan process.	Note to be provided on relevant health and safety requirements of the Proposed Development/	No Change
No LSE	Further evidence to be provided via the Evidence Plan process.	See Marine Geology and Processes	No Change
LSE	As above	N/A	N/A
No LSE	see Transboundary Screening Annex 5.D	N/A	N/A
LSE	As Above	N/A	N/A

Impact Background								
Consent	ID	Project Element	Original Project Phase	Project Activity and Impact	Maximum Design Scenario (MDS)	Justification for MDS	Receptor(s)	Commitments
Both	HH-01	Onshore	Construction	The generation of dust and particulates (e.g. from excavation or movement of dry materials) could have an adverse impact on human health.	See impacts register for Air Quality	Ensure all potential interactions are assessed	Human and ecological receptors.	Tertiary Co17 Co19 Co21
Both	HH-02	Onshore	Construction	Exhaust emissions from construction traffic have the potential to contribute to local ambient concentrations of nitrogen oxide (NO ₂) and particulate matter (PM10 and PM2.5), resulting in potential effects on human health.	See impacts register for Air Quality	N/A	Human and ecological receptors.	Tertiary Co17 Co19 Co28
Both	HH-03	Onshore	Construction	Construction activities such as clearance of surface vegetation, could result in run-off materials into the local water sources.	See impacts register for Hydrology, Hydrogeology and Flood Risk.	The MDS will include the maximum number of cables anticipated to be installed within and assumes disturbance throughout the onshore ECC area therefore, the greatest area of land disturbance.	Watercourses	Tertiary Co17 Co19
Both	HH-04	Onshore	Construction	Ground disturbance or the removal of hardstanding could increase the potential for leaching and the mobilisation of soluble contaminants.	See impacts register for Hydrology, Hydrogeology and Flood Risk.	The MDS will include the maximum number of cables anticipated to be installed within and assumes disturbance throughout the onshore ECC area therefore, the greatest area of land disturbance.	Watercourses	Tertiary Co19
Both	HH-05	Onshore	Construction	Leaks and/or spills of contaminants, such as fuels and oils, used and stored during the construction phase could occur.	See impacts register for Hydrology, Hydrogeology and Flood Risk.	The MDS will include the maximum number of cables anticipated to be installed within and assumes disturbance throughout the onshore ECC area therefore, the greatest area of land disturbance.	Watercourses	Tertiary Co19
Both	HH-06	Onshore	Construction	The impact of noise and vibration from construction activities due to the onshore landfall, cable route installation and substation construction could result in disturbance of local residence and commercial properties.	See impacts register for Noise and Vibration.	The exact location of the OnSS, cable and HDD drilling zones not yet defined. Positioning plant at the extents of the RLB would lead to worst-case predicted noise levels at the nearest Noise-sensitive Receptors.	Human receptors and ecologically sensitive sites.	Tertiary Co17 Co19
Both	HH-07	Onshore	Construction	The potential delays to existing routes and the potential severance of routes which could reduce the access to services (such as GPs and hospitals) and amenities (as recreational activities).	See impacts register for Traffic and Transport.	Ensure all potential interactions are assessed	Users of local road network requiring access to local services.	Tertiary Co28
Both	HH-08	Onshore	Construction	Potential for temporary loss of access to community spaces due to construction of the onshore infrastructure. This could impact community and tourism receptors due to severance of access routes.	See impacts register for Land Use and Ground Conditions.	In the absence of detailed design information, routes or locations, the MDS represents the maximum level of Land Use and Ground Conditions impacts that could occur as a result of the Proposed Development within the ESIA Scoping Boundary.	Beaches.	Tertiary Co23
Both	HH-09	Onshore	Operation	Residential and commercial properties could be affected by the operational noise associated with the onshore substation (and associated infrastructure)	See impacts register for Noise and Vibration.	The exact location of the OnSS not yet defined. Positioning OnSS plant at the extents of the RLB would lead to worst-case predicted noise levels at the nearest Noise-sensitive Receptors	Human receptors and ecologically sensitive sites.	Tertiary Co17 Co19 Co24

EIA Scoping			
Likely Significance of Effect at Scoping Stage and Justification	Proposed Approach	Further Evidence	Updates Since Scoping
No LSE	Further evidence to be provided via the Evidence Plan process.	See air quality impacts register	No Change - agreed as No LSE with TAG
LSE	Assessed in ES	See air quality impacts register	No Change
No LSE	Further evidence to be provided via the Evidence Plan process.	See hydrology impacts register	No Change - agreed as No LSE with TAG
No LSE	Further evidence to be provided via the Evidence Plan process.	See hydrology impacts register	No Change - agreed as No LSE with TAG
No LSE	Further evidence to be provided via the Evidence Plan process.	See hydrology impacts register	No Change - agreed as No LSE with TAG
LSE	Assessed in ES	See noise and vibration impact register	No Change
LSE	Assessed in ES	See Traffic and transport register	No Change
No LSE	Further evidence to be provided via the Evidence Plan process.	See Land Use and Ground Conditions impact register	No Change - agreed as No LSE with TAG
LSE	N/A	N/A	Scoped out - The LSE is no longer relevant to the revised onshore scope.

Impact Background								
Consent	ID	Project Element	Original Project Phase	Project Activity and Impact	Maximum Design Scenario (MDS)	Justification for MDS	Receptor(s)	Commitments
Both	HH-11	Onshore	Decommissioning	Decommissioning activities such as clearance of surface vegetation, could result in run-off of materials into the local water sources.	See impacts register for Hydrology, Hydrogeology and Flood Risk.	The MDS will include the maximum number of cables and infrastructure anticipated to be removed.	Watercourses	Tertiary Co6
Both	HH-12	Onshore	Decommissioning	The generation of dust and particulates (e.g. from excavation or movement of dry materials) potentially having an adverse impact on human health.	See impacts register for Air Quality	The MDS will include the maximum number of cables and infrastructure anticipated to be removed.	Human receptors and ecologically sensitive sites.	Tertiary Co6
Both	HH-13	Onshore	Decommissioning	Exhaust emissions from traffic associated with decommissioning could have the potential to contribute to local ambient concentrations of nitrogen dioxide (NO2), and particulate matter (PM10 and PM2.5), resulting in potential effects on human health	See impacts register for Air Quality	The MDS will include the maximum number of cables and infrastructure anticipated to be removed.	Human receptors and ecologically sensitive sites.	Tertiary Co6
Both	HH-14	Onshore	Decommissioning	Decommissioning activities such as clearance of surface vegetation, could result in run-off of materials into the local water sources.	See impacts register for Hydrology, Hydrogeology and Flood Risk.	The MDS will include the maximum number of cables and infrastructure anticipated to be removed.	Watercourses	Tertiary Co6
Both	HH-15	Onshore	Decommissioning	The potential ground disturbance or the removal of hardstanding could increase the potential for leaching and the mobilisation of soluble contaminants.	See impacts register for Hydrology, Hydrogeology and Flood Risk.	The MDS will include the maximum number of cables and infrastructure anticipated to be removed.	Watercourses	Tertiary Co19
Both	HH-16	Onshore	Decommissioning	Leaks and/or spills of contaminants, such as fuels and oils, used and stored during the decommissioning phase could occur.	See impacts register for Hydrology, Hydrogeology and Flood Risk.	The MDS will include the maximum number of cables and infrastructure anticipated to be removed.	Watercourses	Tertiary Co6
Both	HH-17	Onshore	Decommissioning	The impact of noise and vibration from the decommissioning activities of onshore infrastructure could result in disturbance of local residence and commercial properties.	See impacts register for Noise and Vibration.	The MDS will include the maximum number of cables and infrastructure anticipated to be removed.	Human receptors	Tertiary Co6
Both	HH-18	Onshore	Decommissioning	Impacts due decommissioning of the onshore infrastructure on community and tourism receptors may occur due to severance of access routes, noise and vibration, and/or visual impact.	See impacts register for Socio-economics.	The MDS will include the maximum number of cables and infrastructure anticipated to be removed.	Human receptors	Tertiary Co6
Both	HH-19	Onshore	Decommissioning	The potential delays to existing routes and the potential severance of routes which could reduce the access to services (such as GPs and hospitals) and amenities (as recreational activities).	See impacts register for Socio-economics.	The MDS will include the maximum number of cables and infrastructure anticipated to be removed.	Users of local road network requiring access to local services.	Tertiary Co6
Both	TBC	All onshore project infrastructure	Cumulative Effects	As Above	As Above	As Above	As Above	As Above
Both	TBC	All onshore project infrastructure	Transboundary Effects	As Above	As Above	As Above	As Above	As Above
Both	TBC	All onshore project infrastructure	Inter-related Effects	N/A	As Above	As Above	As Above	As Above

EIA Scoping			
Likely Significance of Effect at Scoping Stage and Justification	Proposed Approach	Further Evidence	Updates Since Scoping
No LSE	Further evidence to be provided via the Evidence Plan process.	See hydrology impacts register	Scoped out - The LSE is no longer relevant to the revised onshore scope.
No LSE	Further evidence to be provided via the Evidence Plan process.	See air quality chapter	Scoped out - The LSE is no longer relevant to the revised onshore scope.
No LSE	Further evidence to be provided via the Evidence Plan process.	See air quality chapter and traffic and transport chapter	Scoped out - The LSE is no longer relevant to the revised onshore scope.
No LSE	Further evidence to be provided via the Evidence Plan process.	See hydrology impacts register	Scoped out - The LSE is no longer relevant to the revised onshore scope.
No LSE	Further evidence to be provided via the Evidence Plan process.	See hydrology impacts register	Scoped out - The LSE is no longer relevant to the revised onshore scope.
No LSE	Further evidence to be provided via the Evidence Plan process.	See hydrology impacts register	Scoped out - The LSE is no longer relevant to the revised onshore scope.
No LSE	Further evidence to be provided via the Evidence Plan process.	See noise and vibration chapter	Scoped out - The LSE is no longer relevant to the revised onshore scope.
See Socio-economics	Further evidence to be provided via the Evidence Plan process.	See noise and vibration chapter	Scoped out - The LSE is no longer relevant to the revised onshore scope.
See Socio-economics	Further evidence to be provided via the Evidence Plan process.	See Socio-economics	Scoped out - The LSE is no longer relevant to the revised onshore scope.
LSE	As above	N/A	No Change
No LSE	see Transboundary Screening Annex 5.D	N/A	No Change
LSE	As Above	N/A	No Change

Impact Background									
Consent	ID	Project Element	Original Project Phase	Project Activity and Impact	Maximum Design Scenario (MDS)	Justification for MDS	Receptor(s)	Commitments at Scoping	Commitments at EPP
TCPA	MW-01-C-O	Both	Construction, operation and maintenance	Consumption of materials for the construction, operational and maintenance phases of the proposed development	All project infrastructure	In the absence of detailed design information, routes or locations, the MDS represents the maximum level of materials requirements that	Material resource	Tertiary Co25 Co26 Co27	Tertiary Co25 Co26 Co27
TCPA	MW-02-C	Both	Construction Waste	Waste and generated during the construction of the Proposed Development	All project infrastructure	In the absence of detailed design information, routes or locations, the MDS represents the maximum level of	Waste infrastructure	Tertiary Co25 Co26 Co27	Tertiary Co25 Co26 Co27
TCPA	MW-03-D	Both	Decommissioning	Waste generated during decommissioning of the Proposed Development	All project infrastructure	In the absence of detailed design information, routes or locations, the MDS represents the maximum level of materials and waste that could	Waste infrastructure	Tertiary Co25 Co26 Co6 Co27	Tertiary Co25 Co26 Co6 Co27
Both	TBC	Both	Cumulative Effects	As Above	As Above	As Above	As Above	As Above	As Above
Both	TBC	Both	Transboundary Effects	As Above	As Above	As Above	As Above	As Above	As Above
Both	TBC	Both	Inter-related Effects	N/A	As Above	As Above	As Above	As Above	As Above

EIA Scoping		
Likely Significance of Effect at Scoping Stage and Justification	Proposed Approach	Further Evidence
LSE	Assessed in ES	Quantification of materials, origin of materials and material type required for detailed assessment in the ES
No LSE	Further evidence to be provided via the Evidence Plan process.	Site Waste Management Plan to be produced and incorporated into Co17 and Co19
LSE	Assessed in ES	Quantification of waste produced during the decommissioning phase of the Proposed Development
LSE	As above	N/A
No LSE	see Transboundary Screening Annex 5.D	N/A
LSE	As Above	N/A