Chapter 14 Summary of Residual Effects

Contents

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14 Summary of Residual Effects

14.1 Introduction

14.1.1 **Tables 14.1** and **14.2** provide a reference to any significant residual environmental effects identified in the technical sections of this Environmental Impact Assessment (EIA) Report, as well as a cross reference to the relevant mitigation and enhancement measures identified.

14.1.2 The residual effects are highlighted in bold where an effect is considered to be significant.

14.1.3 **Table 14.3** provides a summary of the cumulative effects of the Proposed Development in combination with other proposed, permitted and operational developments within the local area.

14.1.4 **Table 14.4** provides a summary of the significant residual effects and cumulative effects identified in the Landscape and Visual Impact Assessment (LVIA) in **Chapter 5** of the EIA Report.

Table 14.1 – Construction and Decommissioning Effects

Description of Effect	Significance of Potential Effect		Mitigation and Enhancement Measure	Significance of Residual Effect		Comparison in Residual Effect Significance from 2011 Permitted Development
	Significance	Beneficial/ Adverse		Significance	Beneficial/ Adverse	
Ecology						
Construction						
Loss and disturbance of blanket mire	Minor and not significant	Adverse	Implementation of CEMP Implementation of BEP	Minor to moderate	Beneficial	Change from an adverse effect to a beneficial effect
Loss and disturbance of dry heath	Negligible and not significant	Adverse	Implementation of CEMP Implementation of BEP	Minor	Beneficial	Change from an adverse effect to a beneficial effect
Decommissioning						
There will be no significant effects during decommissioning phase as a result of the Proposed Development.						
Ornithology						
Construction						
East Mainland Coast, Shetland SPA Qualifying Species – Red-throated diver: disturbance and displacement	Negligible and not significant	Adverse	Timing of works or pre-construction check for nesting birds. Exclusion zones during breeding season.	Negligible and not significant	Adverse	No change in significance
Great skua disturbance and displacement	Negligible and not significant	Adverse	Timing of works or pre-construction check for nesting birds. Exclusion	Negligible and not significant	Adverse	No specific mention of this species but breeding bird population used:

Description of Effect	Significance of Potential Effect		Mitigation and Enhancement Measure	Significance of Residual Effect		Comparison in Residual Effect Significance from 2011 Permitted Development
	Significance	Beneficial/ Adverse		Significance	Beneficial/ Adverse	
			zones during breeding season.			No change in significance
Curlew disturbance and displacement	Negligible and not significant	Adverse	Timing of works or pre-construction check for nesting birds. Exclusion zones during breeding season.	Negligible and not significant	Adverse	No specific mention of this species but breeding bird population used: No change in significance.
Snipe disturbance and displacement	Negligible and not significant	Adverse	Timing of works or pre-construction check for nesting birds. Exclusion zones during breeding season.	Negligible and not significant	Adverse	No specific mention of this species but breeding bird population used: No change in significance
Decommissioning						
Scoped out of the assessment.						
Cultural Heritage						
Construction						
Direct impacts on previously unrecorded non-designated archaeological remains that could	Unknown	Adverse	A mitigation strategy is proposed; auger survey and watching brief will be undertaken initially and will be followed by excavation and post-excavation analysis as necessary. Any significant	Negligible and not significant	Adverse	No change in significance

Description of Effect	Significance of Potential Effect		Mitigation and Enhancement Measure	Significance of Residual Effect		Comparison in Residual Effect Significance from 2011 Permitted Development
	Significance	Beneficial/ Adverse		Significance	Beneficial/ Adverse	
be present on the site			remains will be preserved in situ wherever possible.			
Impacts on the settings of Designated Heritage Assets	Not significant	N/A	N/A	Not significant	N/A	No change in significance
Decommissioning						
Scoped out of assessment.						
Noise						
Construction						
Noise from road traffic	Negligible	N/A	Implementation of good practice during construction works, including traffic management plan	Negligible	N/A	No change in significance
Noise from construction activities	Negligible	N/A	Implementation of good practice during construction works	Negligible	N/A	No change in significance
Noise from wind turbines at all NSRs	Negligible	N/A	None required	Negligible	N/A	No change in significance

Description of Effect	Significance of Potential Effect		Mitigation and Enhancement Measure	Significance of Residual Effect		Comparison in Residual Effect Significance from 2011 Permitted Development
	Significance	Beneficial/ Adverse		Significance	Beneficial/ Adverse	
Decommissioning						
Scoped out of assessment.						
Geology, Hydrology, Hydrogeology and Peat						
Construction						
Impact on Surface Water Quality	Minor	Adverse	50 m buffer from watercourses. Implementation of mitigation measures in CEMP. Drainage Strategy to be implemented.	Minor	Adverse	No change in significance
Impact on Surface Water Flow	Minor	Adverse	50 m buffer from watercourses. Implementation of mitigation measures in CEMP, including cross drainage. Drainage Strategy to be implemented.	Minor	Adverse	No change in significance

Description of Effect	Significance of Potential Effect		Mitigation and Enhancement Measure	Significance of Residual Effect		Comparison in Residual Effect Significance from 2011 Permitted Development
	Significance	Beneficial/ Adverse		Significance	Beneficial/ Adverse	
Impact on Groundwater Quality	Minor / Negligible	Adverse	Implementation of mitigation measures in CEMP. Drainage Strategy to be implemented.	Minor / Negligible	Adverse	No change in significance
Impact on Groundwater Flow	Minor / Negligible	Adverse	Implementation of mitigation measures in CEMP, including cross drainage. Drainage Strategy to be implemented. Dewatering undertaken as short a time as practicable. Floated tracks to be installed.	Minor / Negligible	Adverse	No change in significance
Removal and Impact on Peat	Moderate	Adverse	Pre-construction surveys to be undertaken. Avoidance of deepest areas of peat in design. Management, storage and restoration in line with oPMP. Implementation of BEP.	Neutral to Minor	Neutral to Beneficial	No change in significance; change from an adverse effect to a neutral or potentially beneficial effect in the long term

Description of Effect	Significance of Potential Effect		Mitigation and Enhancement Measure	Significance of Residual Effect		Comparison in Residual Effect Significance from 2011 Permitted Development
	Significance	Beneficial/ Adverse		Significance	Beneficial/ Adverse	
Peat Landslide Impact on Watercourses	Minor	Adverse	Embedded design measures, including utilising existing infrastructure.	Minor	Adverse	No change in significance
Compaction of Soils	Minor	Adverse	Embedded design measures, utilising existing infrastructure and floated tracks.	Minor	Adverse	No change in significance
Impacts to CAR Abstraction	Minor	Adverse	Installation of mitigation measures in CEMP. Drainage Strategy to be implemented.	Minor	Adverse	No change in significance
Impacts to GWDTE	Minor	Adverse	Embedded mitigation measures including dewatering at turbine foundations for as short a time as practicable.	Minor	Adverse	No change in significance
Impacts to Designated Sites	Minor	Adverse	50 m buffer from watercourses. Installation of mitigation measures in CEMP. Drainage Strategy to be implemented.	Minor	Adverse	No change in significance

Description of Effect	Significance of Potential Effect		Mitigation and Enhancement Measure	Significance of Residual Effect		Comparison in Residual Effect Significance from 2011 Permitted Development
	Significance	Beneficial/ Adverse		Significance	Beneficial/ Adverse	
Impacts on Fluvial Geomorphology	Minor	Adverse	Further design of drainage and watercourse crossings. CAR registration where required.	Minor	Adverse	No change in significance
Decommissioning						
Scoped out of assessment.						
Traffic and Transport						
There will be no significant effects during construction or decommissioning phases on traffic and transport as a result of the Proposed Development.						
Telecommunications, Aviation and Radar						
There will be no significant effects during construction or decommissioning phase as a result of the Proposed Development.						

Table 14.2 Operational Phase Effects

Description of Effect	Significance of Potential Effect		Mitigation Measure	Significance of Residual Effect		Comparison in Residual Effect Significance from 2011 Permitted Development
	Significance	Beneficial/ Adverse		Significance	Beneficial/ Adverse	
Ecology						
Drying effect on blanket mire	Minor and not significant	Adverse	Implementation of PMP Implementation of BEP	Minor to moderate	Beneficial	Change from no effect to a beneficial effect

Description of Effect	Significance of Potential Effect		Mitigation Measure	Significance of Residual Effect		Comparison in Residual Effect Significance from 2011 Permitted Development
	Significance	Beneficial/ Adverse		Significance	Beneficial/ Adverse	
Drying effect on dry heath	No impact and not significant	N/A	Implementation of PMP Implementation of BEP	Minor	Beneficial	Change from no effect to a beneficial effect
Enhancements for invertebrates and bumblebees	No impact and not significant	N/A	Implementation of BEP	Minor	Beneficial	Change from no effect to a beneficial effect
Ornithology						
East Mainland Coast, Shetland SPA Qualifying Species – Red-throated diver: – displacement	Negligible and not significant	Adverse	None	Negligible and not significant	Adverse	No change in significance
East Mainland Coast, Shetland SPA Qualifying Species – Red-throated diver: collision risk	Minor and not significant	Adverse	None	Minor and not significant	Adverse	No change in significance
Great skua – collision risk	Negligible and not significant	Adverse	None	Negligible and not significant	Adverse	No change in significance
Red-throated diver – collision risk	Negligible and not significant	Adverse	None	Negligible and not significant	Adverse	No change in significance

Description of Effect	Significance of Potential Effect		Mitigation Measure	Significance of Residual Effect		Comparison in Residual Effect Significance from 2011 Permitted Development
	Significance	Beneficial/ Adverse		Significance	Beneficial/ Adverse	
Curlew – collision risk	Negligible and not significant	Adverse	None	Negligible and not significant	Adverse	No change in significance
Great black-backed gull – collision risk	Negligible and not significant	Adverse	None	Negligible and not significant	Adverse	No change in significance
Herring gull – collision risk	Negligible and not significant	Adverse	None	Negligible and not significant	Adverse	No change in significance
Cultural Heritage						
There will be no significant effects during the operational phase on cultural heritage as a result of the Proposed Development.						
Noise						
Noise from fixed non turbine plant	Negligible	N/A	Selection of plant which complies with specified maximum sound power level, or installation of appropriate acoustic enclosure where plant sound power level is above maximum specified, such that the derived noise limits are met.	Negligible	N/A	No change in significance

Description of Effect	Significance of Potential Effect		Mitigation Measure	Significance of Residual Effect		Comparison in Residual Effect Significance from 2011 Permitted Development
	Significance	Beneficial/ Adverse		Significance	Beneficial/ Adverse	
Noise from wind turbines at all NSRs	Negligible	N/A	None required	Negligible	N/A	No change in significance
Traffic and Transport						
There will be no significant effects during the operational phase on traffic and transport as a result of the Proposed Development.						
Geology, Hydrology, Hydrogeology and Peat						
There will be no significant effects during the operational phase on geology, hydrology, hydrogeology and peat as a result of the Proposed Development.						
Telecommunications, Aviation and Radar						
No telecommunications, aviation and radar features are scoped into the assessment.						

Table 14.3 – Cumulative Effects

Description of Effects	Effect	Cumulative Developments	Significance of Cumulative Effect		Comparison in Residual Effect Significance from 2011 Permitted Development
			Significance	Beneficial/ Adverse	
Ecology					
Blanket mire	Loss and drying of habitat Habitat Recovery	Operational Turbine, Mossy Hill, Hoo Field, Burradale and Viking	Minor	Beneficial	No change in significance
Dry heath	Loss of habitat Habitat recovery	Operational Turbine, Mossy Hill, Hoo Field, Burradale and Viking	Minor	Beneficial	No change in significance
Ornithology					
East Mainland Coast, Shetland SPA Qualifying Species – Red-throated diver	Displacement	Operational Turbine, Mossy Hill, Garth, Energy Isles	Negligible	N/A	No change in significance
East Mainland Coast, Shetland SPA Qualifying Species – Red-throated diver	Collision risk	Operational Turbine, Mossy Hill, Garth, Energy Isles	Minor	Adverse	No change in significance
Curlew	Collision risk	Operational Turbine, Mossy Hill, Energy Isles	Negligible	N/A	No change in significance

Description of Effects	Effect	Cumulative Developments	Significance of Cumulative Effect		Comparison in Residual Effect Significance from 2011 Permitted Development
			Significance	Beneficial/ Adverse	
Great skua	Collision risk	Operational turbine, Mossy Hill, Garth, Energy Isles	Negligible	N/A	No change in significance
Great black-backed gull	Collision risk	Operational turbine, Mossy Hill	Minor	Adverse	No change in significance
Herring gull	Collision risk	Operational turbine	Negligible	N/A	No change in significance
Cultural Heritage					
Designated Heritage Assets	Effect on setting	The Operational Turbine, Beaw Field, Burradale, Hoofield, Mossy Hill, Viking and Ollaberry as well as the in planning Culterfield.	Minor to Negligible and not significant	Adverse	No change in significance
Noise					
No noise features are scoped into the assessment.					
Traffic and Transport					
No traffic and transport features are scoped into the assessment.					
Geology, Hydrology, Hydrogeology and Peat					

Description of Effects	Effect	Cumulative Developments	Significance of Cumulative Effect		Comparison in Residual Effect Significance from 2011 Permitted Development
			Significance	Beneficial/ Adverse	
Surface Water	Chemical pollution or sedimentation	Mossy Hill	Minor	Adverse	N/A
Telecommunications, Aviation and Radar					
No telecommunications, aviation and radar features are scoped into the assessment.					

Table 14.4 Summary of Effects Identified in the LVIA

Description of Effect	Significance of Potential Effect		Mitigation Measure	Significance of Residual Effect	
	Significance	Beneficial/ Adverse		Significance	Beneficial/ Adverse
Operational Landscape Effects					
Landscape Types / Coastal Character Areas					
LCT: 349, Major Uplands	Within 2 km locally Moderate, Not Significant Within 2-5 km Moderate/Minor, Not Significant Elsewhere no greater than Minor, Not significant	Adverse	Layout Design Optimisation and Embedded Mitigation	Within 2 km locally Moderate, Not Significant Within 2-5 km Moderate/Minor, Not Significant Elsewhere no greater than Minor, Not significant	Adverse

Description of Effect	Significance of Potential Effect		Mitigation Measure	Significance of Residual Effect	
	Significance	Beneficial/ Adverse		Significance	Beneficial/ Adverse
LCT: 350, Peatland and Moorland	Moderate locally within the northern extent of the B2 sub unit of the LCT on Bressay, Not Significant Within 5-10 km Moderate/Minor, Not Significant Elsewhere no greater than Minor, Not significant	Adverse	Layout Design Optimisation and Embedded Mitigation	Moderate locally within the northern extent of the B2 sub unit of the LCT on Bressay, Not Significant Within 5-10 km Moderate/Minor, Not Significant Elsewhere no greater than Minor, Not significant	Adverse
LCT: 351, Undulating Moorland with Lochs	Locally Moderate/Minor, within the Gletness subunit, Not Significant	Adverse	Layout Design Optimisation and Embedded Mitigation	Locally Moderate/Minor, within the Gletness subunit, Not Significant	Adverse
LCT: 352, Inland Valleys	Locally Moderate/Minor, within Burradale, Not Significant	Adverse	Layout Design Optimisation and Embedded Mitigation	Locally Moderate/Minor, within Burradale, Not Significant	Adverse
LCT: 353 Farmed and Settled Lowlands and Coast	No greater than Minor, Not Significant	Adverse	Layout Design Optimisation and Embedded Mitigation	No greater than Minor, Not Significant	Adverse

Description of Effect	Significance of Potential Effect		Mitigation Measure	Significance of Residual Effect	
	Significance	Beneficial/ Adverse		Significance	Beneficial/ Adverse
LCT 354, Farmed and Settled Voes and Sounds	No greater than Moderate , Not Significant	Adverse	Layout Design Optimisation and Embedded Mitigation	No greater than Moderate , Not Significant	Adverse
CCA1, Bressay Sound	No greater than Moderate , Not Significant	Adverse	Layout Design Optimisation and Embedded Mitigation	No greater than Moderate , Not Significant	Adverse
CCA2, Eswick - Bressay	No greater than Moderate , Not Significant	Adverse	Layout Design Optimisation and Embedded Mitigation	No greater than Moderate , Not Significant	Adverse
CCA5, Noss	No greater than Moderate , Not Significant	Adverse	Layout Design Optimisation and Embedded Mitigation	No greater than Moderate , Not Significant	Adverse
CCA40, Skeld	No greater than Moderate , Not Significant	Adverse	Layout Design Optimisation and Embedded Mitigation	No greater than Moderate , Not Significant	Adverse
Landscape Designations					
South West Mainland sub unit of the Shetland NSA	The overall special qualities and integrity of the sub-unit of the NSA will not be altered by the Proposed Development	Adverse	Layout Design Optimisation and Embedded Mitigation	The overall special qualities and integrity of the sub-unit of the NSA will not be altered by the Proposed Development	Adverse
Proposed Local Landscape Area 6:	The key characteristics of the LLA will not be	Adverse	Layout Design Optimisation and Embedded Mitigation	The key characteristics of the	Adverse

Description of Effect	Significance of Potential Effect		Mitigation Measure	Significance of Residual Effect	
	Significance	Beneficial/ Adverse		Significance	Beneficial/ Adverse
Culswick and Westerwick	altered by the Proposed Development.			LLA will not be altered by the Proposed Development.	
Proposed Local Landscape Area 7: Weisdale	The key characteristics of the LLA will not be altered by the Proposed Development.	Adverse	Layout Design Optimisation and Embedded Mitigation	The key characteristics of the LLA will not be altered by the Proposed Development.	Adverse
Proposed Local Landscape Area 10: Aith Ness and Noss	The key characteristics of the LLA will not be altered by the Proposed Development.	Adverse	Layout Design Optimisation and Embedded Mitigation	The key characteristics of the LLA will not be altered by the Proposed Development.	Adverse
Proposed Local Landscape Area 11: Gletness and Skellister	The key characteristics of the LLA will not be altered by the Proposed Development.	Adverse	Layout Design Optimisation and Embedded Mitigation	The key characteristics of the LLA will not be altered by the Proposed Development.	Adverse
Gardie House GDL	Minor, Not Significant	Adverse	Layout Design Optimisation and Embedded Mitigation	Minor, Not Significant	Adverse
Operational Visual Effects					

Description of Effect	Significance of Potential Effect		Mitigation Measure	Significance of Residual Effect	
	Significance	Beneficial/ Adverse		Significance	Beneficial/ Adverse
Settlements					
North and South Califf and Breiwick	**Major/Moderate, Significant**	Adverse	Layout Design Optimisation and Embedded Mitigation	**Major/Moderate, Significant**	Adverse
Laxfirth	Moderate, Not Significant	Adverse	Layout Design Optimisation and Embedded Mitigation	Moderate, Not Significant	Adverse
Lerwick	Moderate, Not Significant	Adverse	Layout Design Optimisation and Embedded Mitigation	Moderate, Not Significant	Adverse
Hamlet at Heogan, Bressay	Moderate, Not Significant	Adverse	Layout Design Optimisation and Embedded Mitigation	Moderate, Not Significant	Adverse
Beosetter and Gunnista, northern Bressay	**Major/Moderate, Significant**	Adverse	Layout Design Optimisation and Embedded Mitigation	**Major/Moderate, Significant**	Adverse
Girlsta	Moderate, Not Significant	Adverse	Layout Design Optimisation and Embedded Mitigation	Moderate, Not Significant	Adverse
Catfirth	Moderate, Not Significant	Adverse	Layout Design Optimisation and Embedded Mitigation	Moderate, Not Significant	Adverse
Gletness	Moderate, Not Significant	Adverse	Layout Design Optimisation and Embedded Mitigation	Moderate, Not Significant	Adverse
Glebe, Midgarth, Grindiscol and Kirkabister, western Bressay	Moderate, Not Significant	Adverse	Layout Design Optimisation and Embedded Mitigation	Moderate, Not Significant	Adverse
North and South Setter	Moderate, Not Significant	Adverse	Layout Design Optimisation and Embedded Mitigation	Moderate, Not Significant	Adverse

Description of Effect	Significance of Potential Effect		Mitigation Measure	Significance of Residual Effect	
	Significance	**Beneficial/ Adverse**		**Significance**	**Beneficial/ Adverse**
Brettabister/ Housabister/ Kirkabister	Moderate/Minor, Not Significant	Adverse	Layout Design Optimisation and Embedded Mitigation	Moderate/Minor, Not Significant	Adverse
Fladdabister/ Aithsetter, Cunningsburgh	Moderate/Minor, Not Significant	Adverse	Layout Design Optimisation and Embedded Mitigation	Moderate/Minor, Not Significant	Adverse
Operational Visual Effects – Route Corridors					
Route Corridors					
A970/National Cycle Route 1 – West of Lerwick Visual Compartment	Cyclists - **Major/Moderate, Significant**	Adverse	Layout Design Optimisation and Embedded Mitigation	Cyclists - **Major/Moderate, Significant**	Adverse
A971 / National Cycle Route 1 - Hill of Wormdale	Cyclists - **Major/Moderate, Significant**	Adverse	Layout Design Optimisation and Embedded Mitigation	Cyclists - **Major/Moderate, Significant**	Adverse
Bressay Ferry	Ferry Users - **Major/Moderate, Significant**	Adverse	Layout Design Optimisation and Embedded Mitigation	Ferry Users - **Major/Moderate, Significant**	Adverse
Out Skerries Ferry – within c.7 km of the Proposed Development	Ferry Users - **Major/Moderate, Significant**	Adverse	Layout Design Optimisation and Embedded Mitigation	Ferry Users - **Major/Moderate, Significant**	Adverse

Description of Effect	Significance of Potential Effect		Mitigation Measure	Significance of Residual Effect	
	Significance	Beneficial/ Adverse		Significance	Beneficial/ Adverse
Aberdeen - Lerwick Ferry – within c.7 km of the Proposed Development	Ferry Users - **Major/Moderate, Significant**	Adverse	Layout Design Optimisation and Embedded Mitigation	Ferry Users - **Major/Moderate, Significant**	Adverse
Core Path CPPL04	Walkers - Moderate, Not Significant	Adverse	Layout Design Optimisation and Embedded Mitigation	Walkers - Moderate, Not Significant	Adverse
Core Path CPPL05-06	Walkers - Moderate/Minor, Not Significant	Adverse	Layout Design Optimisation and Embedded Mitigation	Walkers - Moderate/Minor, Not Significant	Adverse
Operational Visual Effects					
Viewpoints					
1. North Califf, Dales Voe	Residents - Major, Significant	Adverse	Layout Design Optimisation and Embedded Mitigation	Residents - Major, Significant	Adverse
2. Gremista Brae, Holmsgarth, Lerwick	Residents - Major/Moderate, Significant	Adverse	Layout Design Optimisation and Embedded Mitigation	Residents - Major/Moderate, Significant	Adverse
3. North Ness Business Park, Lerwick	Visitors/ Walkers - Major/Moderate, Significant	Adverse	Layout Design Optimisation and Embedded Mitigation	Visitors/ Walkers - Major/Moderate, Significant	Adverse
4. Gilbertson Park, Lerwick	Residents / Visitors - Major/Moderate, Significant	Adverse	Layout Design Optimisation and Embedded Mitigation	Residents / Visitors - Major/Moderate, Significant	Adverse
5. Fort Charlotte, Lerwick	Visitors – Moderate, Not Significant	Adverse	Layout Design Optimisation and Embedded Mitigation	Visitors – Moderate, Not Significant	Adverse

Description of Effect	Significance of Potential Effect		Mitigation Measure	Significance of Residual Effect	
	Significance	Beneficial/ Adverse		Significance	Beneficial/ Adverse
6. Bressay Ferry	Travellers - Major/Moderate, Significant	Adverse	Layout Design Optimisation and Embedded Mitigation	Travellers - Major/Moderate, Significant	Adverse
7. Gardie House, Bressay	Residents / Visitors - Minor, Not Significant	Adverse	Layout Design Optimisation and Embedded Mitigation	Residents / Visitors - Minor, Not Significant	Adverse
8. The Knab, Lerwick	Walkers / Visitors - Moderate, Not Significant	Adverse	Layout Design Optimisation and Embedded Mitigation	Walkers / Visitors - Moderate, Not Significant	Adverse
9. Beosetter, Bressay	Residents - Major/Moderate, Significant	Adverse	Layout Design Optimisation and Embedded Mitigation	Residents - Major/Moderate, Significant	Adverse
10. Girlsta / A970	Residents / Cyclists - Moderate, Not Significant	Adverse	Layout Design Optimisation and Embedded Mitigation	Residents / Cyclists - Moderate, Not Significant	Adverse
11. Nesbister Hill	Road Users – Moderate/Minor, Not Significant	Adverse	Layout Design Optimisation and Embedded Mitigation	Road Users – Moderate/Minor, Not Significant	Adverse
12. Loch of Tingwall	Walkers – Moderate, Not Significant	Adverse	Layout Design Optimisation and Embedded Mitigation	Walkers – Moderate, Not Significant	Adverse
13. Gletness	Walkers / Visitors - Minor, Not Significant	Adverse	Layout Design Optimisation and Embedded Mitigation	Walkers / Visitors - Minor, Not Significant	Adverse

Description of Effect	Significance of Potential Effect		Mitigation Measure	Significance of Residual Effect	
	Significance	Beneficial/ Adverse		Significance	Beneficial/ Adverse
14. Kirkabister Ness, Bressay	Residents - Moderate, Not Significant	Adverse	Layout Design Optimisation and Embedded Mitigation	Residents - Moderate, Not Significant	Adverse
15. Freester near Loch Benson, South Nesting	Residents and Walkers - Moderate, Not Significant	Adverse	Layout Design Optimisation and Embedded Mitigation	Residents and Walkers - Moderate, Not Significant	Adverse
16. Helli Ness	Residents - Moderate, Not Significant	Adverse	Layout Design Optimisation and Embedded Mitigation	Residents - Moderate, Not Significant	Adverse
17. Score Hill, Aithness, Bressay	Walkers - Moderate, Not Significant	Adverse	Layout Design Optimisation and Embedded Mitigation	Walkers - Moderate, Not Significant	Adverse
18. West Burra NSA	Walkers - Moderate, Not Significant	Adverse	Layout Design Optimisation and Embedded Mitigation	Walkers - Moderate, Not Significant	Adverse
19. Reawick NSA	Walkers/Road Users - None	Adverse	Layout Design Optimisation and Embedded Mitigation	Walkers/Road Users - None	Adverse
20. Skeld NSA	Residents / Visitors - Minor, Not Significant	Adverse	Layout Design Optimisation and Embedded Mitigation	Residents / Visitors - Minor, Not Significant	Adverse

Table 14.5 Summary of LVIA Cumulative Effects

Receptor	Effect	Cumulative Developments	Significance of Cumulative Effect		Comparison in Residual Effect Significance from 2011 Permitted Development
			Significance	Beneficial/ Adverse	
Landscape Types / Coastal Character Areas					
LCT: 349, Major Uplands	Operational Cumulative Landscape Effects	The *addition* of the proposal to the in-planning Culterfields application will result in Negligible cumulative combined effects. The *total* cumulative effect of built permitted and planning stage schemes would result in Slight cumulative effects.	Not Significant Not Significant	Adverse Adverse	No change in significance
LCT: 350, Peatland and Moorland	Operational Cumulative Landscape Effects	The *addition* of the proposal to the in-planning Culterfields application will result in Negligible cumulative combined effects. The *total* cumulative effect of built permitted and planning stage schemes would result in Slight cumulative effects.	Not Significant Not Significant	Adverse Adverse	No change in significance
LCT: 351, Undulating Moorland with Lochs	Operational Cumulative Landscape Effects	The *addition* of the proposal, closely sited with the existing Luggie's Knowe turbine, will result in no greater than Moderate /Minor cumulative effects. The *total* cumulative effect of built permitted and planning stage schemes	Not Significant Not Significant	Adverse Adverse	No change in significance

Receptor	Effect	Cumulative Developments	Significance of Cumulative Effect		Comparison in Residual Effect Significance from 2011 Permitted Development
			Significance	Beneficial/ Adverse	
		would result in a Moderate cumulative effect			
LCT: 352, Inland Valleys	Operational Cumulative Landscape Effects	The addition of the Proposed Development will result in no greater than Moderate/Minor local cumulative effects. The *total* cumulative effect of built permitted and planning stage schemes would result in Major cumulative effects from this LCT due to the dominant presence of Viking wind Farm within the northern sector of the LCT.	Not Significant **Significant**	Adverse Adverse	No change in significance No change in significance
LCT: 354 Farmed and Settled Voes and Sounds	Operational Cumulative Landscape Effects	The *addition* of the proposal in the context of Mossy Hill will result in a **Moderate** cumulative combined effects. The *total* cumulative effect of built, permitted and planning stage schemes will contribute to a Moderate cumulative effect on the LCT.	Not Significant Not Significant	Adverse Adverse	No change in significance
CCA: 1, Bressay Sound	Operational Cumulative Landscape Effects	The *addition* of the proposal in the context of Mossy Hill, Gremista/Hoo Fields and Viking, will result in a **Moderate** cumulative combined effects.	Not Significant	Adverse	No change in significance

Receptor	Effect	Cumulative Developments	Significance of Cumulative Effect		Comparison in Residual Effect Significance from 2011 Permitted Development
			Significance	Beneficial/ Adverse	
		The *total* cumulative effect of built, permitted and planning stage schemes will contribute to a Moderate and cumulative effect.	Not Significant	Adverse	
CCA: 2 Eswick - Bressay	Operational Cumulative Landscape Effects	The *addition* of the proposal in the context of Mossy Hill, Burradale, Gremista/Hoo Fields and Viking, will result in a **Moderate/Minor** cumulative effect. The *total* cumulative effect of built, permitted and planning stage schemes will contribute to a Moderate cumulative effect on the CCA due to the dominant presence of Viking to the north of the CCA.	Not Significant Not Significant	Adverse Adverse	No change in significance
CCA: 5 Noss	Operational Cumulative Landscape Effects	The *addition* of the proposal in the context of Mossy Hill, Burradale, Gremista/Hoo Fields and Viking, will result in a **Minor** cumulative effect. The *total* cumulative effect of built, permitted and planning stage schemes will contribute to a **Moderate** cumulative effect on the CCA.	Not Significant Not Significant	Adverse Adverse	No change in significance

Receptor	Effect	Cumulative Developments	Significance of Cumulative Effect		Comparison in Residual Effect Significance from 2011 Permitted Development
			Significance	Beneficial/ Adverse	
CCA 40, Skeld	Operational Cumulative Landscape Effects	The *addition* of the proposal in the context of Mossy Hill, Burradale, Gremista/Hoo Fields and Viking, will result in a **Minor** cumulative effect. The total cumulative effect of built permitted and planning stage schemes would result in **Negligible** cumulative effects.	Not Significant Not Significant	Adverse Adverse	No change in significance
Landscape Designations					
South West Mainland sub unit of the Shetland NSA	Operational Cumulative Effects on Special Landscape Qualities	The assessment of effects on the component LCTs and CCAs within the NSA found no potential for significant *total* or *additional* cumulative effects.	No significant cumulative effects are predicted on the on the Special Qualities of the NSA.	Adverse	No change in significance
Proposed Local Landscape Area 6: Culswick and Westerwick	Operational Cumulative Landscape Effects on Key Characteristics	The assessment of effects on the LCT 349 Major Uplands, within the LLA, found no potential significant total or additional cumulative effects.	No significant cumulative effects are predicted on the on the Key Characteristics of the LLA.	Adverse	No change in significance

Receptor	Effect	Cumulative Developments	Significance of Cumulative Effect		Comparison in Residual Effect Significance from 2011 Permitted Development
			Significance	Beneficial/ Adverse	
Proposed Local Landscape Area 7: Weisdale	Operational Cumulative Landscape Effects on Key Characteristics	The assessment of effects found no potential significant total or additional cumulative effects on each of the LCTs within the area of the LLA.	No significant cumulative effects are predicted on the on the Key Characteristics of the LLA.	Adverse	No change in significance
Proposed Local Landscape Area 10: Aith Ness and Noss	Operational Cumulative Landscape Effects on Key Characteristics	The assessment of effects found no potential significant total or additional cumulative effects on each of the LCTs within the area of the LLA.	No significant cumulative effects are predicted on the on the Key Characteristics of the LLA.	Adverse	No change in significance
Proposed Local Landscape Area 11: Gletness and Skellister	Operational Cumulative Landscape Effects on Key Characteristics	The assessment of effects found no potential significant total or additional cumulative effects on each of the LCTs within the area of the LLA.	No significant cumulative effects are predicted on the on the Key Characteristics of the LLA.	Adverse	No change in significance
Gardie House GDL	Operational Cumulative Landscape Effects	The *addition* of the Proposed Development in the context of Mossy Hill, Burradale, and Gremista/Hoo Fields will result in a **Minor** cumulative effect. The *total* cumulative effect of built permitted and planning stage schemes	No significant cumulative effects are predicted on the on the Key Characteristics of the GDL.	Adverse Adverse	No change in significance

Receptor	Effect	Cumulative Developments	Significance of Cumulative Effect		Comparison in Residual Effect Significance from 2011 Permitted Development
			Significance	Beneficial/ Adverse	
		would result in **Moderate/Minor** cumulative effects.			
Settlements					
North and South Califf and Breiwick	Operational Cumulative Visual Effects	The *addition* of the Proposed Development in the context of potential future cumulative schemes will result in **Moderate**, cumulative effects on the North and South Califf and Breiwick Cluster. The *total* cumulative effect of built permitted and planning stage schemes will result in no greater than **Moderate** cumulative effects on the Settlement Cluster.	Not Significant Not Significant	Adverse Adverse	No change in significance The addition of new built and permitted sites to the baseline has introduced new cumulative effects on this receptor since 2011.
Laxfirth	Operational Cumulative Visual Effects	The *addition* of the Proposed Development in the context of potential future cumulative schemes will result in **Moderate/Minor** cumulative effects on Laxfirth. The *total* cumulative effect of built permitted and planning stage schemes	Not Significant Not Significant	Adverse Adverse	No change in significance

Receptor	Effect	Cumulative Developments	Significance of Cumulative Effect		Comparison in Residual Effect Significance from 2011 Permitted Development
			Significance	Beneficial/ Adverse	
		will result in no greater than **Moderate/Minor** cumulative effects on Laxfirth.			The addition of new built and permitted sites to the baseline has introduced new cumulative effects on this receptor since 2011.
Lerwick	Operational Cumulative Visual Effects	The *addition* of the Proposed Development in the context of potential future cumulative schemes will result in **Moderate/Minor,** cumulative effects. The *total* cumulative effect of built permitted and planning stage schemes will result in no greater than a **Moderate** cumulative effect.	Not Significant Not Significant	Adverse Adverse	No change in significance The addition of new built and permitted sites to the baseline has introduced new cumulative effects on this receptor since 2011.
Hamlet at Heogan, Bressay	Operational Cumulative Visual Effects	The *addition* of the Proposed Development in the context of potential future cumulative schemes will result in **Moderate,** cumulative effects. The *total* cumulative effect of built permitted and planning stage schemes will result in no greater than **Moderate** cumulative effect.	Not Significant Not Significant	Adverse Adverse	No change in significance The addition of new built and permitted sites to the baseline has introduced new cumulative effects on this receptor since 2011.

Receptor	Effect	Cumulative Developments	Significance of Cumulative Effect		Comparison in Residual Effect Significance from 2011 Permitted Development
			Significance	Beneficial/ Adverse	
Beosetter and Gunnista, northern Bressay	Operational Cumulative Visual Effects	The *addition* of the Proposed Development in the context of potential future cumulative schemes will result in **Moderate,** cumulative effects on the settlements. The *total* cumulative effect of built permitted and planning stage schemes will result in no greater than **Moderate** cumulative effects on settlement in north Bressay.	Not Significant Not Significant	Adverse Adverse	No change in significance The addition of new built and permitted sites to the baseline has introduced new cumulative effects on this receptor since 2011.
Girlsta	Operational Cumulative Visual Effects	The *addition* of the Proposed Development in the context of potential future cumulative schemes will result in **Moderate**,cumulative effects on the settlements. The *total* cumulative effect of built permitted and planning stage schemes will result in no greater than **Moderate/Minor, Not Significant** cumulative effects on settlement at Girlsta.	Not Significant Not Significant	Adverse Adverse	No change in significance The addition of new built and permitted sites to the baseline has introduced new cumulative effects on this receptor since 2011.

Receptor	Effect	Cumulative Developments	Significance of Cumulative Effect		Comparison in Residual Effect Significance from 2011 Permitted Development
			Significance	Beneficial/ Adverse	
Catfirth	Operational Cumulative Visual Effects	The *addition* of the Proposed Development in the context of potential future cumulative schemes will result in a **Moderate/Minor** cumulative effects on the settlement. The *total* cumulative effect of built permitted and planning stage schemes will result in no greater than **Moderate** cumulative effects on settlement at Catfirth.	Not Significant Not Significant	Adverse Adverse	No change in significance The addition of new built and permitted sites to the baseline has introduced new cumulative effects on this receptor since 2011.
Gletness	Operational Cumulative Visual Effects	The *addition* of the Proposed Development in the context of potential future cumulative schemes will result in a **Moderate** cumulative effect on the settlement. The *total* cumulative effect of built permitted and planning stage schemes will result in no greater than **Moderate** cumulative effect on settlement at Gletness.	Not Significant Not Significant	Adverse Adverse	No change in significance The addition of new built and permitted sites to the baseline has introduced new cumulative effects on this receptor since 2011.

Receptor	Effect	Cumulative Developments	Significance of Cumulative Effect		Comparison in Residual Effect Significance from 2011 Permitted Development
			Significance	Beneficial/ Adverse	
Glebe, Midgarth, Grindiscol and Kirkabister, western Bressay	Operational Cumulative Visual Effects	The *addition* of the Proposed Development in the context of potential future cumulative schemes will result in a **Minor** cumulative effect on the settlements. The *total* cumulative effect of built permitted and planning stage schemes will not result in a **Moderate** cumulative effect on the scattered settlement in western Bressay.	Not Significant Not Significant	Adverse Adverse	No change in significance The addition of new built and permitted sites to the baseline has introduced new cumulative effects on this receptor since 2011.
North and South Setter	Operational Cumulative Visual Effects	The *addition* of the Proposed Development in the context of potential future cumulative schemes will result in a **Minor** cumulative effect on the settlement. The *total* cumulative effect of built permitted and planning stage schemes will result in **Major/Moderate** cumulative effect on settlement at North and South Setter due to the influence of Mossy Hill and Burradale Wind Farms.	Not Significant **Significant**	Adverse Adverse	No change in significance The addition of new built and permitted sites to the baseline has introduced new cumulative effects on this receptor since 2011.

Receptor	Effect	Cumulative Developments	Significance of Cumulative Effect		Comparison in Residual Effect Significance from 2011 Permitted Development
			Significance	Beneficial/ Adverse	
Brettabister/ Housabister/ Kirkabister	Operational Cumulative Visual Effects	The *addition* of the Proposed Development in the context of potential future cumulative schemes will result in a **Minor** cumulative effect on the North Nesting settlement cluster. The *total* cumulative effect of built permitted and planning stage schemes will result in a **Moderate/Minor** cumulative effect on the North Nesting settlement cluster.	Not Significant Not Significant	Adverse Adverse	No change in significance The addition of new built and permitted sites to the baseline has introduced new cumulative effects on this receptor since 2011.
Fladdabister/ Aithsetter, Cunningsburgh	Operational Cumulative Visual Effects	The *addition* of the Proposed Development in the context of potential future cumulative schemes will result in a **Minor,** cumulative effect on the settlements. The *total* cumulative effect of built permitted and planning stage schemes will result in a **Moderate/Minor** cumulative effect on the settlements.	Not Significant Not Significant	Adverse Adverse	No change in significance The addition of new built and permitted sites to the baseline has introduced new cumulative effects on this receptor since 2011.

Receptor	Effect	Cumulative Developments	Significance of Cumulative Effect		Comparison in Residual Effect Significance from 2011 Permitted Development
			Significance	Beneficial/ Adverse	
Operational Visual Effects					
Route Corridors					
A970/National Cycle Route 1 - Dales Voe Visual Compartment	Operational Cumulative Visual Effects	The *addition* of the Proposed Development in the context of potential future cumulative schemes will result in locally **Moderate** cumulative sequential effects. The *total* cumulative effect of built permitted and planning stage schemes will result in **Major/Moderate, Significant** sequential cumulative effects on cyclists using the A970 as the route passes through Dales Voe.	Not Significant **Significant**	Adverse Adverse	No change in significance The addition of new built and permitted sites within the baseline has introduced new cumulative effects on this receptor since 2011.
A971 / National Cycle Route 1 -	Operational Cumulative Visual Effects	The *addition* of the Proposed Development in the context of potential future cumulative schemes will result in no greater than a **Moderate** cumulative effect on cyclists travelling on NCR1. The *total* cumulative effect of built permitted and planning stage schemes will result in local **Major/Moderate, Significant** sequential cumulative effects	Not Significant **Significant**	Adverse Adverse	No change in significance The addition of new built and permitted sites to the baseline has introduced new cumulative

Receptor	Effect	Cumulative Developments	Significance of Cumulative Effect		Comparison in Residual Effect Significance from 2011 Permitted Development
			Significance	Beneficial/ Adverse	
		on cyclists as the route crosses the Mainland spine west of Tingwall.			effects on this receptor since 2011.
Bressay Ferry	Operational Cumulative Visual Effects	The *addition* of the Proposed Development in the context of potential future cumulative schemes will result in a **Moderate** cumulative effect on travellers. The *total* cumulative effect of built permitted and planning stage schemes will result in **Moderate** cumulative effects on travellers.	Not Significant Not Significant	Adverse Adverse	No change in significance The addition of new built and permitted sites to the baseline has introduced new cumulative effects on this receptor since 2011.
Out Skerries Ferry	Operational Cumulative Visual Effects	The *addition* of the Proposed Development in the context of potential future cumulative schemes will result in a **Moderate** cumulative effect on travellers. The *total* cumulative effect of built permitted and planning stage schemes will result in **Major/Moderate, Significant** sequential cumulative effects on travellers in the context of Viking.	Not Significant **Significant**	Adverse Adverse	No change in significance The addition of new built and permitted sites to the baseline has introduced new cumulative effects on this receptor since 2011.

Receptor	Effect	Cumulative Developments	Significance of Cumulative Effect		Comparison in Residual Effect Significance from 2011 Permitted Development
			Significance	Beneficial/ Adverse	
Aberdeen – Lerwick Ferry	Operational Cumulative Visual Effects	The *addition* of the Proposed Development in the context of potential future cumulative schemes will result in a **Moderate** cumulative effect on travellers. The *total* cumulative effect of built permitted and planning stage schemes will result in **Major/Moderate**, **Significant** cumulative effects on travellers within the vicinity of Bressay Sound.	Not Significant **Significant**	Adverse Adverse	No change in significance The addition of new built and permitted sites to the baseline has introduced new cumulative effects on this receptor since 2011.
Core Path CPPL04	Operational Cumulative Visual Effects	The *addition* of the Proposed Development in the context of potential future cumulative schemes will result in a no greater than a **Moderate** cumulative effect on local walkers. The *total* cumulative effect of built permitted and planning stage schemes will result in **Moderate** cumulative effects on local walkers within Lerwick.	Not Significant Not Significant	Adverse Adverse	No change in significance The addition of new built and permitted sites to the baseline has introduced new cumulative effects on this receptor since 2011.
Core Path CPPL05-06	Operational Cumulative Visual Effects	The *addition* of the Proposed Development in the context of potential future cumulative schemes will result in a no greater than **Moderate/Minor**	Not Significant	Adverse	No change in significance

Receptor	Effect	Cumulative Developments	Significance of Cumulative Effect		Comparison in Residual Effect Significance from 2011 Permitted Development
			Significance	Beneficial/ Adverse	
		cumulative effects on local walkers who are of Medium sensitivity to change. The *total* cumulative effect of built permitted and planning stage schemes will result in a **Moderate** cumulative effect on local walkers within Lerwick.	Not Significant	Adverse	The addition of new built and permitted sites to the baseline has introduced new cumulative effects on this receptor since 2011.
Operational Visual Effects					
Viewpoints					
1. North Califf, Dales Voe	Operational Cumulative Visual Effects	The *addition* of the Proposed Development in the context of potential future cumulative schemes will result in a no greater than a **Moderate** cumulative effect on local residents. The *total* cumulative effect of built permitted and planning stage schemes will result in **Major/Moderate** cumulative effect on residents in the context of the permitted Mossy Hill Wind Farm.	Not Significant **Significant**	Adverse Adverse	No change in significance The addition of new built and permitted sites to the baseline has introduced new cumulative effects on this receptor since 2011.
2. Gremista Brae, Holmsgarth, Lerwick	Operational Cumulative Visual Effects	The *addition* of the proposal in the context of potential future cumulative	Not Significant	Adverse	No change in significance

Receptor	Effect	Cumulative Developments	Significance of Cumulative Effect		Comparison in Residual Effect Significance from 2011 Permitted Development
			Significance	Beneficial/ Adverse	
		schemes will contribute to a locally **Moderate/Minor** Cumulative Effect. The *total* cumulative effect of built permitted, planning and scoping stage sites will contribute to a **Moderate** cumulative effect when seen in the context of the Mossy Hill permitted site.	Not Significant	Adverse	The addition of new built and permitted sites to the baseline has introduced new cumulative effects on this receptor since 2011.
3. North Ness Business Park, Lerwick	Operational Cumulative Visual Effects	The *addition* of the proposal in the context of potential future cumulative schemes will contribute to a locally **Moderate** Cumulative Effect. The *total* cumulative effect of built permitted, planning and scoping stage sites will contribute to a **Moderate** cumulative effect when seen in the context of the Mossy Hill permitted site.	Not Significant Not Significant	Adverse Adverse	No change in significance The addition of new built and permitted sites to the baseline has introduced new cumulative effects on this receptor since 2011.
4. Gilbertson Park, Lerwick	Operational Cumulative Visual Effects	The *addition* of the proposal in the context of potential future cumulative schemes will contribute to a locally **Moderate** Cumulative Effect. The *total* cumulative effect of built permitted, planning and scoping stage sites will contribute to a **Moderate**	Not Significant Not Significant	Adverse Adverse	No change in significance The addition of new built and permitted sites to the baseline

Receptor	Effect	Cumulative Developments	Significance of Cumulative Effect		Comparison in Residual Effect Significance from 2011 Permitted Development
			Significance	Beneficial/ Adverse	
		cumulative effect when seen in the context of the Mossy Hill permitted site.			has introduced new cumulative effects on this receptor since 2011.
5. Fort Charlotte, Lerwick	Operational Cumulative Visual Effects	The *addition* of the proposal in the context of potential future cumulative schemes will contribute to a locally **Moderate** Cumulative Effect. The *total* cumulative effect of built permitted, planning and scoping stage sites will contribute to a **Moderate** cumulative effect when seen in the context of Viking	Not Significant Not Significant	Adverse Adverse	No change in significance The addition of new built and permitted sites to the baseline has introduced new cumulative effects on this receptor since 2011.
6. Bressay Ferry	Operational Cumulative Visual Effects	The *addition* of the proposal in the context of potential future cumulative schemes will contribute to a locally **Moderate/Minor** Cumulative Effect. The *total* cumulative effect of built permitted, planning and scoping stage sites will contribute to a **Moderate** cumulative effect when seen in the context of the Mossy Hill permitted site.	Not Significant Not Significant	Adverse Adverse	No change in significance The addition of new built and permitted sites to the baseline has introduced new cumulative effects on this receptor since 2011.

Receptor	Effect	Cumulative Developments	Significance of Cumulative Effect		Comparison in Residual Effect Significance from 2011 Permitted Development
			Significance	Beneficial/ Adverse	
7. Gardie House, Bressay	Operational Cumulative Visual Effects	The *addition* of the proposal in the context of potential future cumulative schemes will not contribute to cumulative effects. The *total* cumulative effect of built permitted, planning and scoping stage sites will contribute to a **Moderate** cumulative effect when seen in the context of the Mossy Hill permitted site.	Not Significant Not Significant	No Change Adverse	No change in significance The addition of new built and permitted sites to the baseline has introduced new cumulative effects on this receptor since 2011.
8. The Knab, Lerwick	Operational Cumulative Visual Effects	The *addition* of the proposal in the context of potential future cumulative schemes will contribute to a locally **Moderate** Cumulative Effect. The *total* cumulative effect of built permitted, planning and scoping stage sites will contribute to a **Moderate** cumulative effect when seen in the context of Viking	Not Significant Not Significant	Adverse Adverse	No change in significance The addition of new built and permitted sites to the baseline has introduced new cumulative effects on this receptor since 2011.
9. Beosetter, Bressay	Operational Cumulative Visual Effects	The *addition* of the proposal in the context of potential future cumulative	Not Significant	Adverse	No change in significance

Receptor	Effect	Cumulative Developments	Significance of Cumulative Effect		Comparison in Residual Effect Significance from 2011 Permitted Development
			Significance	Beneficial/ Adverse	
		schemes will contribute to a locally **Moderate** Cumulative Effect. The *total* cumulative effect of built permitted, planning and scoping stage sites will contribute to a **Major/Moderate** cumulative effect when seen in the context of Viking and Mossy Hill	**Significant**	Adverse	The addition of new built and permitted sites to the baseline has introduced new cumulative effects on this receptor since 2011.
10. Girlsta / A970	Operational Cumulative Visual Effects	The *addition* of the proposal in the context of potential future cumulative schemes will give rise to no greater than a **Moderate/Minor** cumulative effect on residential receptors at Girlsta. The *total* cumulative effect of built permitted and planning stage schemes will result in **Moderate,** cumulative effect on residents.	Not Significant Not Significant	Adverse Adverse	No change in significance The addition of new built and permitted sites to the baseline has introduced new cumulative effects on this receptor since 2011.
11. Nesbister Hill	Operational Cumulative Visual Effects	The *addition* of the proposal in the context of potential future cumulative schemes will contribute to a locally **Moderate** Cumulative Effect. The *total* cumulative effect of built permitted, planning and scoping stage sites will contribute to a **Major/Moderate**	Not Significant **Significant**	Adverse Adverse	No change in significance The addition of new built and permitted sites to the baseline has introduced new cumulative

Receptor	Effect	Cumulative Developments	Significance of Cumulative Effect		Comparison in Residual Effect Significance from 2011 Permitted Development
			Significance	Beneficial/ Adverse	
		cumulative effect when seen in the context of Viking and Mossy Hill			effects on this receptor since 2011.
12. Loch of Tingwall	Operational Cumulative Visual Effects	The *addition* of the proposal in the context of potential future cumulative schemes will give rise to no greater than a **Minor** cumulative effects on residential receptors at the Loch of Tingwall. The *total* cumulative effect of built permitted and planning stage schemes will result in **Major/Moderate** cumulative effect on residents as a result of the combined influence of Burradale and Mossy Hill Wind Farms.	Not Significant **Significant**	Adverse Adverse	No change in significance The addition of new built and permitted sites to the baseline has introduced new cumulative effects on this receptor since 2011.
13. Gletness	Operational Cumulative Visual Effects	The *addition* of the proposal in the context of potential future cumulative schemes will give rise to no greater than a **Moderate/Minor** cumulative effect on residential receptors at Gletness. The *total* cumulative effect of built permitted and planning stage schemes will result in a **Moderate** cumulative effect on residents.	Not Significant Not Significant	Adverse Adverse	No change in significance The addition of new built and permitted sites to the baseline has introduced new cumulative effects on this receptor since 2011.

Receptor	Effect	Cumulative Developments	Significance of Cumulative Effect		Comparison in Residual Effect Significance from 2011 Permitted Development
			Significance	Beneficial/ Adverse	
14. Kirkabister Ness, Bressay	Operational Cumulative Visual Effects	The *addition* of the proposal in the context of potential future cumulative schemes will give rise to no greater than a **Moderate/Minor** cumulative effect on residential receptors at Kirkabister Ness. The *total* cumulative effect of built permitted and planning stage schemes will result in **Major/Moderate** cumulative effect on residents due to the influence Mossy Hill Wind Farm.	Not Significant **Significant**	Adverse Adverse	No change in significance The addition of new built and permitted sites to the baseline has introduced new cumulative effects on this receptor since 2011.
15. Freester near Loch Benson, South Nesting	Operational Cumulative Visual Effects	The *addition* of the proposal in the context of potential future cumulative schemes will give rise to no greater than a **Moderate/Minor** cumulative effect on residential receptors at Gletness. The *total* cumulative effect of built permitted and planning stage schemes will result in **Moderate** cumulative effect on residents.	Not Significant Not Significant	Adverse Adverse	No change in significance The addition of new built and permitted sites to the baseline has introduced new cumulative effects on this receptor since 2011.

Receptor	Effect	Cumulative Developments	Significance of Cumulative Effect		Comparison in Residual Effect Significance from 2011 Permitted Development
			Significance	Beneficial/ Adverse	
16. Helli Ness	Operational Cumulative Visual Effects	The *addition* of the proposal in the context of potential future cumulative schemes will give rise to no greater than a **Moderate/Minor** cumulative effect on walkers accessing Helli Ness. The *total* cumulative effect of built permitted and planning stage schemes will result in **Moderate** cumulative effects on walkers due the influence of the Mossy Hill site and the distant visibility of Viking.	Not Significant Not Significant	Adverse Adverse	No change in significance The addition of new built and permitted sites to the baseline has introduced new cumulative effects on this receptor since 2011.
17. Score Hill, Aithness, Bressay	Operational Cumulative Visual Effects	The *addition* of the proposal in the context of potential future cumulative schemes will give rise to no greater than a **Moderate,** cumulative effect on Walkers at Aithness. The *total* cumulative effect of built permitted and planning stage schemes will result in **Major/Moderate** cumulative effect on Walkers due the influence of the Mossy Hill site and the distant visibility of Viking.	Not Significant Not Significant	Adverse Adverse	No change in significance The addition of new built and permitted sites to the baseline has introduced new cumulative effects on this receptor since 2011.

Receptor	Effect	Cumulative Developments	Significance of Cumulative Effect		Comparison in Residual Effect Significance from 2011 Permitted Development
			Significance	Beneficial/ Adverse	
18. West Burra NSA	Operational Cumulative Visual Effects	There will be no cumulative effects arising from the Proposed Development from this viewpoint.	None	No Change	No Change
19. Reawick NSA	Operational Cumulative Visual Effects	The *addition* of the proposal in the context of potential future cumulative schemes will give rise to no greater than a **Minor** cumulative effect on receptors at Reawick. The *total* cumulative effect of built permitted and planning stage schemes will result in **Moderate** cumulative effect on residents as a result of influence of Viking and Mossy Hill Wind Farms.	Not Significant Not Significant	Adverse Adverse	No change in significance The addition of new built and permitted sites to the baseline has introduced new cumulative effects on this receptor since 2011.
20. Skeld NSA	Operational Cumulative Visual Effects	The *addition* of the proposal in the context of potential future cumulative schemes will give rise to no greater than a **Minor** cumulative effect on receptors at Skeld. The *total* cumulative effect of built permitted and planning stage schemes will result in **Moderate,** cumulative effects	Not Significant Not Significant	Adverse Adverse	No change in significance The addition of new built and permitted sites to the baseline has introduced new cumulative

Receptor	Effect	Cumulative Developments	Significance of Cumulative Effect		Comparison in Residual Effect Significance from 2011 Permitted Development
			Significance	Beneficial/ Adverse	
		on residents as a result of influence of Viking and Mossy Hill Wind Farms.			effects on this receptor since 2011.

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