Appendix 3: Residential Visual Amenity Assessment: Visual Effects from Dwellings within 2km of Nearest Turbine

ID	Address	Distance to nearest turbine	Sensitivity	Magnitude of Visual Change	Shadow Flicker Analysis ¹⁷	Potential Visual Effect
1*	72 Smiths Line, Eketahuna	1.1km	Dwelling located on an elevated knoll to north- east of Mount Munro from with primary views face southeast and away from the Site. Mature trees and shelterbelt vegetation extend from the north to the southwest to the rear of the dwelling and limits available views towards the wind farm. Landowner anticipates some intervening mature vegetation will need to be removed given its age. The wind farm Site is also visible from more open areas of the larger working farm which continues along a ridge to the north.	From curtilage areas, views towards the proposed wind farm will remain filtered and largely obscured by mature trees and shelterbelts established to the rear of the dwelling. Individual turbines may appear visible along the treeline and further changes in view may occur in the event mature vegetation is removed. Existing screening would be gradually replaced as shelter belts are re- established. Earthworks to construct the ridgeline access track will remain concealed except for a localised cut to access turbines 13 and 14. This section of access is to be accommodated in box cutting within the Site to limit external views.	Total of 62.4 hours per year. (Turbines 8,9 and 10) Occurs on 172 days per year around 4pm between May and September. Mean of 22 minutes per day.	Moderate
2*	48 Smiths Line, Eketahuna	1.3km	 Dwelling located along north-eastern toe of Mount Munro. Primary views from living areas face north and west and incorporate open views towards the Site. Established vegetation within this property has predominantly been maintained to enable views towards the rural backdrop of Mount Munro. A single individual deciduous tree and overhead 	Views looking west from the living areas will observe turbines 1-12, the nearest of which will form prominent dynamic elements along the skyline. Turbines 13-14 are located relatively lower along the ridgeline to the north and will largely remain screened beyond intervening vegetation.	Total of up to 49.8 hours per year (Turbines 8, 9 and 10). Occurs on 132 days per year around 4pm between April and	High

¹⁷ Based on MTMR_v10-01_20_WTG. Zone of influence for Shadow Flicker based on 10 x rotor diameter (1,360m).

^{*} Indicates location of dwelling has been visited as part of confirming this assessment

ID	Address	Distance to nearest turbine	Sensitivity	Magnitude of Visual Change	Shadow Flicker Analysis ¹⁷	Potential Visual Effect
			transmission line punctuates the skyline to the west of the dwelling.	The majority of proposed earthworks will remain concealed beyond the ridgetop. A localised area of proposed cut will be visible to form access below the base of turbine 12, however this will remain below the main ridge and remain prominently screened beyond established vegetation. The existing visible landform will remain in pasture and support ongoing rural land use.	August. Mean of 23 minutes per day.	
3	12 Smiths Line, Eketahuna	1.6km	Dwelling located within broader rural land holding to the east of Mount Munro with primary views appearing to face north and west but enclosed within established garden vegetation that conceals longer distance views including towards the wind farm Site. There may be some partially screened or filtered views from the vicinity of outbuildings and other areas of this working farm.	Views of the proposed wind farm from the dwelling and its associated curtilage areas appear to remain concealed by existing intervening vegetation and would result in no apparent visual change. In the event existing vegetation is removed, turbines 1-14 may appear visible along the main ridgeline not currently observed. Turbines 15-20 along the lower western ridgeline would remain concealed.	No shadow flicker effects identified	Low - Moderate
				No views of proposed earthworks would occur with tracks and turbine foundations remaining concealed within the existing landform within the Site. Any views of the larger Site would continue to support ongoing pastoral land use.		
4	2219 Opaki Kaiparoro Road, Eketahuna	2km	Dwelling located to the east of Mount Munro with primary views facing north-east away from the proposed wind farm and partially enclosed within established garden vegetation. Potential long-distance views appear to occur from the parth west side of the dwelling and the	Secondary views of turbines 1 -14 would likely be visible as an ordered array of dynamic structures along the skyline in long distance views. From this location, parts of the tips of turbines 19 and 20 are also visible above the top of the intervening ridgeline.	No shadow flicker effects identified	Moderate
			from the north-west side of the dwelling and the adjoining driveway.	Earthworks within the Site would remain obscured by the intervening landform with the		

ID	Address	Distance to nearest turbine	Sensitivity	Magnitude of Visual Change	Shadow Flicker Analysis ¹⁷	Potential Visual Effect
				exception of part of the access track beneath turbine 12. The larger landholding surrounding the proposed turbines will continue to support ongoing pastoral land use.		
5	2310 Opaki Kaiparoro Road	1.7km	Dwelling located to the south- east of Mount Munro with primary views appearing to face east away from the wind farm. Rear views to the north-west appear to encompass a backdrop which encompass part of the broader Mount Munro backdrop which will include the wind farm Site. Potential views are punctuated by intervening vegetation and outbuildings to the north-west. Access was not provided to this dwelling to confirm views.	Partial and open long-distance views of turbines 1 – 7 would likely be visible in long distance views and form an ordered array of dynamic structures along the skyline to the rear of the dwelling. Views of turbines 8-14 to the north-west appear to be partially screened by intervening vegetation which reduces the extent to which the larger wind farm will remain apparent. Proposed earthworks would remain concealed within the existing landform with the Site. The larger landholding surrounding the proposed turbines would continue to support ongoing pastoral land use.	No shadow flicker effects identified	Moderate - High
6*	73 Hall Road, Eketahuna	950m	Dwelling located along the eastern toe of Mount Munro. Primary view face northeast away from the Site with rear views primarily contained within established planting which encloses the garden. Views towards the Site remain available from curtilage areas including the driveway and from larger working areas of the farm.	Views from much of the curtilage area will remain screened by intervening garden planting and shelterbelt trees. Some rear views between intervening vegetation from curtilage areas will enable prominent views of individual turbines above the ridgeline to the west. Open views will also be available from other areas of the farm. Proposed earthworks will remain concealed within the existing landform with the Site. The larger landholding surrounding the proposed turbines will continue to support ongoing pastoral land use.	Total of up to 100.5 hours per year (Turbines 2,3,4,5 and 6). Occurs during 212 days per year around 4pm between February and October for a mean of 29 minutes per day.	High (Within Project Site)

ID	Address	Distance to nearest turbine	Sensitivity	Magnitude of Visual Change	Shadow Flicker Analysis ¹⁷	Potential Visual Effect
7	2420 Opaki Kaiparoro Road, Eketahuna	1.5km	Dwelling located to the south-east of Mount Munro with primary views appearing to face east within an established garden. Vegetation in the rear garden to the north of the dwelling combined with intervening shelter belts to the west appear to limit other available views from the dwelling and associated curtilage areas.	Views of the proposed wind farm from the dwelling and its associated curtilage areas appear to remain largely concealed by existing intervening vegetation. Individual turbines may appear visible in rear views through gaps between vegetation, or the event existing vegetation is removed. Turbines 15-20 along the lower western ridgeline will remain concealed.	No shadow flicker effects identified	Moderate
				No potential earthworks will be visible. Any views of the larger landholding supporting the turbines will continue to support ongoing pastoral land use.		
8*	Kaiparoro Road,	iparoroprimary views facing northeast through gaps in established vegetation. The east facing slopes of Mount Munro are not generally visible on account of mature vegetation established to the rear of the Site and which encloses curtilage areas	Possible views of the tops turbines 1-4 may occur from parts of the curtilage area. Such views would remain largely filtered by	Total of up to 11.3 hours per year (Turbine1).	Low - Moderate	
	Eketahuna		account of mature vegetation established to the	intervening vegetation and limits the extent to which changes are observed.	Occurs during 37 days per year	
			No potential earthworks will be visible being contained within the landform of the Site.	around 3pm in the middle of winter. Mean of 18 minutes per day.		
9	310 Opaki Kaiparoro	970m	Dwelling located to the south-east of Mount Munro from which primary views appear to face	Oblique potential views towards turbines 1 – 8 will remain obscured by intervening roadside	No shadow flicker effects identified	Low - Moderate
	Road, Eketahuna		southwest and away from the wind farm. Views towards the Site are primarily obscured by intervening roadside vegetation and mature shelter belts on the opposite side of the road.	shelterbelts. No earthworks will be visible within the Site.		
10	174 Opaki Kaiparoro	680m	Dwelling recently upgraded with new living areas constructed to the south-west of Mount Munro. Primary views to the north and west remain	Dwelling set back from the roadside and property boundary established with existing shelterbelt vegetation which largely restricts	Total of up to 105.3 hours per	Moderate - High

ID	Address	Distance to nearest turbine	Sensitivity	Magnitude of Visual Change	Shadow Flicker Analysis ¹⁷	Potential Visual Effect
	Road, Eketahuna		relatively well contained within established pine trees. The dwelling is arranged in separate pods which require occupiers to regularly move between buildings across the curtilage area of the Site.	existing external views. Possible partial views of turbines 1, 2 and 3 and the upper part of turbine 4 where there are gaps through existing intervening vegetation and in the event existing vegetation is removed. Potential longer distance views towards turbines 15 – 20 remain relatively low along the more distant skyline and predominantly screened by intervening vegetation.	year (Turbines 1,2,3 and 4). Occurs during 193 days per year before 8am between September and March. Mean of 33 minutes a day.	
11*	152 Opaki Kaiparoro Road, Eketahuna	670m	Dwelling to south-west of Mount Munro with primary views facing north-west away from the Site and towards part of the Tararua Ranges observed along the alignment of Opaki Kaiparoro Road. Open rear views of southern part of Mount Munro from driveway approaching dwelling with rear views from dwelling remaining partially obscured by intervening vegetation.	Primary views from dwelling are in opposite direction of wind farm and therefore remain largely unchanged. When approaching the dwelling along the driveway and through gaps in vegetation, turbines 1 and 2 will appear as prominent structures along the skyline of the adjoining rural backdrop. The remaining turbines within the wind farm will remain concealed by established boundary vegetation. No earthworks will be visible within the Site.	Total of up to 79 hours per year (Turbines 1,2,3 and 4). Occurs during 79 hours per year before 8 am between September and March.	Moderate - High
					Mean of 28 minutes per day.	
12*	124 Opaki Kaiparoro Road, Eketahuna	1.1km	Small dwelling 'The Cottage' with primary views looking north-west and overlooking an upper tributary along the Makakahi River. Oblique open views are available from a side window looking north-east towards the wind farm.	Primary views from dwelling overlooking the Makakahi River will remain unchanged. Oblique open views to the northeast will observe turbines 1-11 along the skyline of the main ridge alongside partial views of turbines 15-20 forming an overlapping cluster to the right over greater distances. The larger array of turbines may appear prominent as part of this secondary rural outlook.	Total of up to 38.4 34 hours per year (Turbines 1 and 2). Occurs during 100 days per year before 7 am between November and January.	Moderate - High

ID	Address	Distance to nearest turbine	Sensitivity	Magnitude of Visual Change	Shadow Flicker Analysis ¹⁷	Potential Visual Effect
				No earthworks will be visible within the Site.		
13*	117 Opaki Kaiparoro Road, Eketahuna	1.2km	Dwelling located to the west of Mount Munro within enclosed rural valley which extends along Falkner Road. Primary views from dwelling look northeast towards the wind farm Site and south- west along the alignment of Opaki Kaiparoro Road towards the Tararua Ranges.	Primary views from the dwelling will observe the majority of the proposed wind farm which will appear as prominent dynamic structures along the skyline. Parts of turbines 13,14 and 20 will be obscured beyond the intervening landform.	No shadow flicker effects identified	High
			Farm sheds and mature vegetation punctuates parts of the Mount Munro ridgelines	No earthworks will be visible within the Site.		
14*	171 Opaki Kaiparoro Road, Eketahuna	775m	Dwelling located on an elevated knoll within the confines of the wind farm with primary views to the west and north. Views typically enclosed within an established garden setting with open views from the side of the dwelling also available including from the north facing washing line.	Primary views to the west will remain contained within established garden areas. Open side views will observe turbines 6-14 extending along the main ridgeline. To the left of this turbine 15 will appear prominent on the western ridgeline to the left of partial views of turbines 16-20 which appear to overlap as they continue to the north. Oblique rear views towards the nearest turbines 1-5 will remain partially obscured beyond established vegetation.	Total of up to 77.8 hours per year (Turbines 1,5,6 and 15). Occurs on 197 days per year between October and February around 7am and in the middle of winter around 9am. Mean of 24 minutes per day.	High (Within Site)
15*	85 Old Coach Road South, Eketahuna	625m	Dwelling located on an elevated spur which extends between the ridgeline areas where turbines are proposed. Living areas associated with this dwelling face west towards the Tararua Range in the distance and north overlooking the Site.	Long distance views to the west will remain unchanged. Secondary views from north facing living areas will observe open near distance views of turbines which continuing along the main ridgeline to the east. The nearest turbines (turbines 15 and 5-7) will from dominant elements in the view within a larger surrounding wind farm.	Total of up to 36.6 hours per year (Turbines 6,7 and 8). Occurs on 93 days per year between September and November and January and	Very High (Within Site)

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ID	Address	Distance to nearest turbine	Sensitivity	Magnitude of Visual Change	Shadow Flicker Analysis ¹⁷	Potential Visual Effect
				During construction, areas of earthworks will extend along and below the ridgetop visible from this elevated location. Where visible, the larger wind farm will form a dominant characteristic in middle distance views for much of this northern aspect.	March around 7am. Mean of 24 minutes per day.	
16*	136 Falkner Road, Eketahuna	915m	Dwelling located to the west of Mount Munro within a working dairy farm. Views from dwelling are largely enclosed within established garden planting which extends to the east with secondary more open views looking to the north and from south facing bedrooms. Some open views are also available the larger working rural land holding.	Views east towards proposed turbines will remain contained by established intervening vegetation. Oblique views from the southern side of the dwelling and parts of the curtilage area will observe prominent views of turbines 15-17 along the western ridgeline and in the foreground of the larger array of turbines 1-12 along the main ridgeline. Proposed earthworks associated with access to the Site extend below turbines 18-20 observed from this dwelling and remain concealed.	Total of up to 25.6 hours per year (Turbines 16 and 17). Occurs on 76 days per year between November and January prior to 7am. Mean of 20 minutes per day.	Moderate - High
17*	114 Falkner Road, Eketahuna	985m	Dwelling is located to the west of Mount Munro with primary views facing north and east, including filtered views towards the wind farm through vegetation established along the road frontage. Some open views are also available the larger working rural land holding.	Existing garden and roadside vegetation typically punctuate and break up the skyline of the larger Mount Munro ridge from the dwelling along which the wind farm and limits the extent to which the Site forms a primary focus of the view. Where visible, individual turbines may appear prominent, however established planting also contributes to foreshortening and breaking up larger views of the wind farm and limits the overall observed magnitude of change. Proposed earthworks associated with access to the Site extend below turbines 15-19 and	No shadow flicker effects identified	Moderate - High

ID	Address	Distance to nearest turbine	Sensitivity	Magnitude of Visual Change	Shadow Flicker Analysis ¹⁷	Potential Visual Effect
				may be observed in partial views through gaps between established plantings.		
18*	51 Falkner Road, Eketahuna	1.1km	This dwelling is located to the west of Mount Munro with primary views facing south-west and framed by mature vegetation. Rear open views to the south-east of the dwelling also face towards the Site and overlook low level hedging, including views from the vicinity of the washing line.	Oblique partial views and open rear views of turbines 15-20 will appear prominent along the skyline of Mount Munro. Beyond this, the larger array of turbines 1-10 will appear along the main ridgeline. Possible views of blade tips of turbines 11 and 13 wiping beyond landform will also appear in this view. Earthworks associated with the Site access and turbines 16-19 along the skyline will also reveal an initial raw worked appearance before being re-established in pasture and assimilated in the working rural nature which remains evident in this view.	Total of up to 18.6 days per year (Turbine 20). Occurs on 54 days per year during January and November before 7am. Mean of 20 minutes a day.	High
19*	32 Falkner Road, Eketahuna	1.2km	Dwelling located to the north-west of Mount Munro. Primary views from the dwelling face east and north of the wind farm with oblique views remaining enclosed by mature garden vegetation which will continue to partially obscure long-distance views towards the Site.	Primary views from dwelling will remain largely enclosed within an established garden setting beyond which partial long- distance oblique views of turbines will appear visible along the skyline. Where visible turbines 15-20 will appear relatively larger along the lower western ridge with turbines 1-12 visible beyond these along the main ridgeline. Partial views with a wiping action of turbine blades for turbines 12-14 may also be visible beyond the intervening landform. Areas of earthworks associated with the access and turbines 16-19 may also be visible, however these are typically obscured by garden vegetation which encloses the dwelling.	No shadow flicker effects identified	Low - Moderate

ID	Address	Distance to nearest turbine	Sensitivity	Magnitude of Visual Change	Shadow Flicker Analysis ¹⁷	Potential Visual Effect
20	84743 State Highway 2, Eketahuna	1.5km	Dwelling established along an elevated terrace to the west of the Makakahi River and north- west of Mount Munro. Primary views from dwelling appear to face northwest in the opposite direction of the Site, with rear views appearing to remain largely enclosed within mature garden vegetation and other planting which continues along the margins of the Makakahi River.	Primary views from dwelling appear to remain largely enclosed by intervening vegetation established in the rear garden and continuing along the margins of the Makakahi River. In this context, potential long distance rear views towards proposed wind turbines appear to remain filtered through gaps in established planting and reduce the overall extent of visual change.	No shadow flicker effects identified	Moderate
				Earthworks associated with access into the Site would similarly remain obscured by intervening vegetation with proposed earthworks necessary to access the Site otherwise visible from this area.		
21*	168 Old Coach Road, Eketahuna	660m	Dwelling located along the western toe of Mount Munro. Primary views from dwelling face northwest and away from the Site. There are potential rear east facing views from curtilage areas.	Primary views look in the opposite direction of the Site and will not therefore change. Possible oblique prominent views towards turbines 18 – 20 above the adjoining ridgeline and north of turbines 15-17. Beyond these, turbines 5 ad 6 may be visible along the head of a local gully with parts of turbines, 4-12 forming wiping along the summit of the ridgetop visible from this area.	No shadow flicker effects identified	High (Within Site)
22	103 Old Coach Road, Eketahuna	1.1km	Dwelling located to the north-west of Mount Munro. Primary views appear to face north and west away from the Site. Existing views to the south and south-east appear to be obscured by a mature shelterbelt which encloses the dwelling.	Existing primary views are not expected to change. Potential rear views appear to remain concealed beyond established vegetation which will continue to screen turbines along the skyline. Areas of earthworks along the secondary access track and associated with turbines 18 and 19 along the lower western ridgetop which may otherwise appear visible remain similarly concealed.	No shadow flicker effects identified	Low - Moderate

ID	Address	Distance to nearest turbine	Sensitivity	Magnitude of Visual Change	Shadow Flicker Analysis ¹⁷	Potential Visual Effect
23	56 Old Coach Road, Eketahuna	1.5km	Dwelling located to north-west of Mount Munro along terracing above the Makakahi River. Primary views appear to face south-east towards the northern extent of the larger wind farm. A semi-mature shelter belt extends to the south of the dwelling and limits potential south facing views. Established vegetation along the roadside boundary and opposite side of the road provides some further established screening to the east.	Potential oblique partial views from eastern windows of the dwelling may observe part of the larger array of turbines along the skyline to the south of a sequence of low elevated hills. Turbines 15- 20 would appear relatively larger along the lower western ridge against a broader backdrop of turbines 1-20 along the main ridgeline in long distance views. Some earthworks may also be visible in association with the secondary access and turbines 18 and 19 near the ridgetop.	No shadow flicker effects identified	Moderate
24	47 Old Coach Road, Eketahuna	1.5km	Dwelling located to the north-west of Mount Munro. Primary views from dwelling appear to face southwest, towards the Site, however these appear to remain predominantly screened by existing shelterbelt vegetation.	The dwelling's enclosure within mature vegetation appears to limit any potential long- distance views towards the Site and thereby minimise the potential for any visual change. From other areas of this working farm and in the event existing intervening vegetation is removed, views of turbines 1 – 14 may be visible along the skyline in long distance views.	No shadow flicker effects identified	Low - Moderate
				Some potential earthworks may also be visible in associated with the main access into the Site and in the vicinity of Turbines 12 and 19 along the ridgetop.		
25	85151 State Highway 2, Eketahuna	2.4km from turbines, 300m from transmissio n line corridor	Dwelling located to the south-west of Mount Munro and accessed SH2. Primary views from this dwelling appear to face northwest and remain largely enclosed within a mature framework of vegetation.	Potential views of the proposed wind farm remain obscured by landform. However, this dwelling has potential views from the southern side towards the proposed transmission line however vegetation along the southern boundary of the property likely screens these views.	No shadow flicker effects identified	Low

ID	Address	Distance to nearest turbine	Sensitivity	Magnitude of Visual Change	Shadow Flicker Analysis ¹⁷	Potential Visual Effect
26	85237 State Highway 2, Eketahuna	3km from turbines, 200m from transmissio n line corridor and 300m from substation	Dwelling located to the south-west of Mount Munro and east of the substation proposed on the opposite side of SH2. Primary views from this dwelling appear to face northeast and remain largely enclosed within established vegetation which buffers views along SH2.	Potential views from the dwelling toward the turbine sites occur in very long distances and appear to be largely screened by intervening vegetation. This dwelling is approximately 200m south-west of the proposed transmission line corridor and 300m from the proposed substation location on the opposite side of the road. Views of the substation have an ability to remain concealed by existing vegetation. Existing vegetation and local landform north of the dwelling screens views towards the transmission line.	No shadow flicker effects identified	Low
27	85274A State Highway 2, Eketahuna	3.5km from turbines, 300m south of substation, 850m south of transmissio n line corridor.	Dwelling located to the south-west of Mount Munro and west of SH2. Primary views from dwelling appear to face southeast and remain well enclosed within mature garden vegetation.	Views from the dwelling toward the proposed wind farm appear to remain screened by existing garden and shelterbelt vegetation. This vegetation will also screen views from the dwelling towards the proposed substation and transmission line.	No shadow flicker effects identified	Low
28	85289 State Highway 2, Eketahuna	3.4km from turbines, 450m to substation, 830m from transmissio n line corridor.	Dwelling located to the south-west of Mount Munro and east of SH2 with primary views facing northeast towards the proposed wind farm in very long-distance views. Transmission lines and the substation are also visible in closer proximity straddling SH2.	Very long-distance views of turbines remain partially obscured beyond the intervening landform to the south of Opaki Kaipararo Road. This property will also have views to the north towards the transmission line which will be partially screened by intervening vegetation. Oblique views will be possible towards the substation, which will be partially screened by an existing shelterbelt to the east.	No shadow flicker effects identified	Low - Moderate

ID	Address	Distance to nearest turbine	Sensitivity	Magnitude of Visual Change	Shadow Flicker Analysis ¹⁷	Potential Visual Effect
29	Land owned by Glen Opal	1.5 km closest turbine to boundary distance	Consented subdivision, however lots are unbuilt. Where there are existing or anticipated dwellings within this area, these have been separately assessed below.	A series of open and partial views towards the main ridgeline may be available from within these lots. As a result, there may be a range of potential visual effects, the scale of which is dependent on the location and orientation of viewer and intervening planting to be established in associated curtilage areas. Given the absence of such development from which effects can be understood assessed, the level of effect is unable to be determined.	No shadow flicker effects identified	N/A
30	No address (Hall Road)	165 km	Land to the east of Mount Munro with no permanent dwelling yet. Temporary dwelling located within existing shed within the Site, Views assessed from the road only.	The orientation and establishment of curtilage areas of a future permanent dwelling will affect the potential magnitude of visual change. Existing views towards the Site are punctuated by mature shelter belts beyond which views of turbines 5-14 would be visible along the main ridgeline. Turbines 15-20 will remain concealed beyond the main ridgeline. Proposed earthworks will remain concealed within the existing landform with the Site. The	No shadow flicker effects identified.	Moderate - High
				larger landholding supporting the turbines will continue to support ongoing pastoral land use.		
31*	No address Hall Road	1.4km	New house recently delivered with living areas facing north-east, North facing bedroom window with open view of ridgeline. Mature shelter belts surround this rural property with no established curtilage areas or planting surrounding the dwelling.	Proposed turbines 1-14 would appear prominent as an ordered array or dynamic structures visible along the adjoining skyline. The lower parts of turbines 11-14 will appear partially obscured by intervening trees which punctuate the skyline. Turbines 15-20 along the lower western ridgeline will remain entirely concealed.	No shadow flicker effects identified.	High
				Proposed earthworks will remain concealed within the existing landform with the Site. The		

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				larger landholding supporting the turbines will continue to support ongoing pastoral land use.		
32	No address Hall Road	1.6 km	Caravan and temporary accommodation adjoining site of future dwelling, the location and orientation of which is yet to be confirmed.	The orientation and establishment of curtilage areas of the permanent dwelling will affect the potential magnitude of visual change.	No shadow flicker effects identified.	Moderate - High
			Recent planting established along parts of the boundary of the Site with no established curtilage areas or planting surrounding a future site of the dwelling.	From the existing curtilage of the temporary dwelling there are open views towards the main ridgeline along which turbines 1 - 14 will be visible as an ordered pattern along the skyline. The lower parts of turbines 1-3 will likely be partially obscured by intervening trees which punctuate the skyline with. Turbines 15- 20 obscured beyond the main ridgeline.		
				Proposed earthworks will remain concealed within the existing landform with the Site. The larger landholding supporting the turbines will continue to support ongoing pastoral land use.		
33	No address Hall Road	1.6 km	No dwelling yet (but containers visible on site).	The orientation and establishment of curtilage areas of a future permanent dwelling will affect the potential magnitude of views.	No shadow flicker effects identified.	Moderate - High
				Views from open areas of Site observe the ordered array of turbines 1-14 along the skyline.		
				Beyond this, turbines 15-20 will remain obscured beyond the main ridgeline.		
				Proposed earthworks will remain concealed within the existing landform with the Site continuing to support ongoing rural land use.		

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34*	(No address) Old Coach Road	1.1km	Dwelling under construction facing primary views to the north-west along the Makakai River. Rear views towards the Site are partially obscured by intervening roadside vegetation beyond which parts of the Site are visible.	The primary views from the dwelling to the north-west along the Makakai River will remain unchanged. Rear views of turbines 18-19 and 15-17 will be visible along the hill backdrop beyond roadside vegetation which punctuates the skyline. Beyond this, partial views of turbine blades 1- 14 may also be visible through intervening roadside vegetation. The larger landholding surrounding the proposed turbines will continue to support ongoing pastoral land use.	No shadow flicker effects identified	Moderate- High
35*	Old Coach Road	930m	No dwelling yet, however building platform orientated to face northwest along the Makakai River. Some established and more recent planting is established along the toe of the adjoining hillside in rear views.	The primary views from the building platform are focused to the north-west along the Makakai River and will remain unchanged. Rear views of turbines 18-20 will appear prominent along the skyline with partial views of turbines 1-14 visible beyond this. will be visible along the hill backdrop.	No shadow flicker effects identified	
				Earthworks associated with the secondary access and turbines 18 and 19 along the ridgetop may also be visible. The larger landholding surrounding the proposed turbines will continue to support ongoing pastoral land use.		
36	22 Bowen Road	2.2km	Dwelling to east of Mount Munro. Primary views face south-west with the proposed wind farm visible in long distance oblique views. Views to the north-west towards the Site are predominantly screened by intervening garden and roadside vegetation.	From curtilage areas, the proposed wind farm will remain largely concealed beyond intervening vegetation. Proposed turbines at the southern end of Mount Munro (Turbines 1- 5) may be visible in long distance oblique views with the majority of turbines to the north of the main ridge remaining obscured beyond intervening vegetation.	No shadow flicker effects identified	Moderate

ID	Address	Distance to nearest turbine	Sensitivity	Magnitude of Visual Change	Shadow Flicker Analysis ¹⁷	Potential Visual Effect
			The Site is also visible from more open areas of the working farm.	Earthworks are not generally visible. A localised area of earthworks below turbine 12 will be concealed beyond intervening vegetation from this dwelling. The larger landholding surrounding the proposed turbines will continue to support ongoing pastoral land use.		