

Kristy Old
CWP Renewables Pty Ltd
Level 6, Suite A, 41-45 Hunter Street,
Newcastle NSW 2300

By email

4 May 2017

Dear Kristy

Bango Wind Farm – supplementary visual assessment 4 May 2017

As requested we have undertaken a supplementary assessment of potential visual effects for associated and non-associated residential dwellings surrounding the Bango Wind Farm Project.

This supplementary assessment has been undertaken further to the removal of (forty-seven) wind turbines that were included and assessed in the Landscape and Visual Impact Assessment v5 May 2016 (LVIA).

Our supplementary assessment has included:

- a review of the original LVIA
- a review of CWP Renewables Figures BAN-143 Reduced Layout and BAN-144 Photomontage Locations
- a review of an additional (eleven) wireframe models
- a review of an additional (five) photomontage as amended.

This information has been used to consider and determine the potential change in visual effect for the residential dwellings included in the Excel Spreadsheet (170502_BWF_Residence Summary) as provided to Green Bean Design Pty Ltd by CWP Renewables.

The results of our supplementary assessment have been entered into the spreadsheet as requested.

Yours sincerely,



GREEN BEAN DESIGN
landscape architects

GREEN BEAN DESIGN PTY LTD
PO Box 3178 Austral NSW 2179
Principal: Andy Homewood BSc (Dual Hons), Dip.LM, Dip.Hort, Registered Landscape Architect, AILA
(ABN: 86603575702, ACN:603575702)

Residence ID	Landowner Status	Agreement Status	Distance to Nearest Wind Turbine (km)		EIS Visual		Amended DA Visual			Noise
			Amended DA	Increase from EIS	Visual Significance Rating	Cumulative Visual Impact Rating	Change in Situation	Change in Visual Significance Rating	Change in Cumulative Visual Impact Rating	Compliance Achieved
100	Host	Agreed	0.5	0	High	-	No Change	-	-	No
32	Host	Agreed	1	0	Low to Medium	-	No Change	-	-	Yes
101	Neighbour	Agreed	1.1	0	High	-	No Change	-	-	Yes
41	Ex-Host	Pending	1.2	0.5	Low to Medium	-	Five wind turbine sites removed from north of Mount Buffalo cluster	Low to Medium	-	Yes
115	Neighbour	Agreed	1.4	0	High	-	No Change	-	-	Yes
155	Neighbour	Agreed	1.4	0	High	-	No Change	-	-	Yes
87	Host	Agreed	1.5	0	Medium to High	-	No Change	-	-	Yes
136	Neighbour	Agreed	1.5	0	High	-	No Change	-	-	Yes
21	Host	Agreed	1.7	0	Medium	-	No Change	-	-	Yes
117	Host	Agreed	1.7	0	Medium to High	-	No Change	-	-	Yes
238	Neighbour	Consultation in progress	1.8	0.8	Medium	-	Three wind turbine sites removed (in addition to four previously removed) from south of Mount Buffalo cluster	Low	-	No

154	Neighbour	Agreed	1.9	0	High
235	Neighbour	Declined	1.9	0.2	High
20	Ex-Host	Pending	2.1	0.5	Low to Medium
76	Neighbour	Declined	2.1	0.2	Medium
158	Neighbour	Agreed	2.1	0	Medium
189	Host	Agreed	2.2	0	Low
282	Neighbour	Declined	2.2	0.5	High
162	Host	Agreed	2.3	0	Low
144	Neighbour	Declined	2.5	0.1	Low
173	Host	Agreed	2.5	0	Low
152	Neighbour	Agreed	2.6	0	Low to Medium

-	No Change	-	-	Yes
-	Three wind turbine sites removed from south of Kangiara cluster and three wind turbine sites removed (in addition to four previously) from south of Mount Buffalo cluster	High	-	Yes
-	Two wind turbine sites removed from north of Kangiara cluster	Low to Medium	-	Yes
-	Three wind turbine sites removed from south of Kangiara cluster and three wind turbine sites removed (in addition to four previously) from south of Mount Buffalo cluster	Medium	-	Yes
-	No Change	-	-	Yes
-	Langs Creek cluster removed	Low	-	Yes
-	Two wind turbine sites removed from north of Kangiara cluster	Medium	-	Yes
-	Langs Creek cluster removed	Low	-	Yes
-	In addition to four previously removed	Low	-	Yes
-	No Change	-	-	Yes
-	No Change	-	-	Yes

60	Neighbour	Declined	2.7	0.3	Medium	-	Three wind turbine sites removed (in addition to four previously removed) from south of Mount Buffalo cluster	Medium	-	Yes
170	Neighbour	Consultation in progress	2.8	0	Nil/Low	-	No Change	-	-	Yes
260	Neighbour	Consultation in progress	2.8	0.8	Medium to High	-	Three wind turbine sites removed from south of Kangiara cluster	Medium to High	-	Yes
62	Neighbour	Consultation in progress	2.9	0.8	Medium to High	-	Three wind turbine sites removed from south of Kangiara cluster	Medium to High	-	Yes
179	Neighbour	Consultation in progress	2.9	0.3	Low	-	Three wind turbine sites removed from south of Kangiara cluster	Low	-	Yes
142	Neighbour	Consultation in progress	3.0	1	Low	-	Five wind turbine sites removed from north of Mount Buffalo cluster and two wind turbine sites removed from north of Kangiara cluster	Low (possibly Nil)	-	Yes
108	Ex-Host	Consultation in progress	3.1	0.7	Low to Medium	-	Three wind turbine sites removed from south of Kangiara cluster	Low to Medium	-	Yes
182	Ex-Host	Consultation in progress	3.1	0.7	Low to Medium	-	Three wind turbine sites removed from south of Kangiara cluster	Low to Medium	-	Yes
243	Neighbour	Consultation in progress	3.2	0	Low	-	No Change	-	-	Yes
26	Neighbour	None proposed	3.3	0	Low to Medium	-	Three wind turbine sites removed (in addition to four previously removed) from south of Mount Buffalo cluster	Low to Medium	-	Yes
35	Neighbour	None proposed	3.3	0.2	Low	Nil to low	Five wind turbine sites removed from north of Mount Buffalo cluster	Low	Nil to Low	Yes
42	Neighbour	None proposed	3.3	0.8	Nil/Low	-	Three wind turbine sites removed from south of Kangiara cluster	Nil/Low	-	Yes
106	Neighbour	None proposed	3.3	0	Low	-	No Change	-	-	Yes

187	Neighbour	None proposed	3.3	0.8	Nil/low	-	Three wind turbine sites removed from south of Kangiara cluster	Nil/Low	-	Yes
166	Neighbour	None proposed	3.4	0	Low to Medium	-	Three wind turbine sites removed (in addition to four previously removed) from south of Mount Buffalo cluster	Low to Medium	-	Yes
181	Neighbour	None proposed	3.4	0.8	Nil/Low	-	Three wind turbine sites removed from south of Kangiara cluster	Nil/Low	-	Yes
55	Host	Agreed	3.5	0	Low	-	No Change	-	-	Yes
138	Neighbour	None proposed	3.6	0.3	Low	-	No Change	Low	-	Yes
176	Neighbour	None proposed	3.6	0.6	Low	-	Two wind turbine sites removed from north of Kangiara cluster	Low	-	Yes
126	Neighbour	None proposed	3.7	0.7	Nil/Low	-	No Change	Nil/Low	-	Yes
177	Neighbour	None proposed	3.7	0.1	Low	-	Three wind turbine sites removed from south of Kangiara cluster	Low	-	Yes
43	Neighbour	None proposed	3.8	0	Nil/Low	-	No Change	-	-	Yes
160	Host	Agreed	3.8	2.1	Medium to High	-	Langs Creek cluster removed	Low (possibly Nil)	-	Yes
48	Neighbour	None proposed	3.9	1	Low	Low to Medium	Five wind turbine sites removed from north of Mount Buffalo cluster	Low	Low	Yes
96	Host	Agreed	3.9	2.1	Low	-	Langs Creek cluster removed	Low (possibly Nil)	-	Yes
225	Host	Agreed	3.9	2.9	High	-	Langs Creek cluster removed	Low (possibly Nil)	-	Yes