

Biodiversity credit report



This report identifies the number and type of biodiversity credits required for a major project.

Date of report: 25/05/2020

Time: 11:38:56AM

Calculator version: v4.0

Major Project details

Proposal ID: 203/2020/5063MP

Proposal name: Bango Wind Farm

Proposal address: Tangmangaroo Rd Bango NSW 2582

Proponent name: CWP Renewables

Proponent address: Floor 6, 45 Hunter Street Newcastle NSW 2300

Proponent phone: 02 4013 4640

Assessor name: Matthew Dowle

Assessor address: PO Box 20529 World Square NSW 2002

Assessor phone: 02 8536 8677

Assessor accreditation: 203

Summary of ecosystem credits required

Plant Community type	Area (ha)	Credits created
Blakely's Red Gum - Yellow Box grassy tall woodland of the NSW South Western Slopes Bioregion	22.88	565.25
Inland Scribbly Gum - Red Stringybark open forest on hills composed of silicious substrates in the mid-Murrumbidgee and upper Lachlan catchments mainly in the western South Eastern Highlands Bioregion	2.24	106.00
Red Stringybark - Blakely's Red Gum hillslope open forest on meta-sediments in the Yass - Boorowa - Crookwell region of the NSW South Western Slopes Bioregion and South Eastern Highlands Bioregion	63.86	1,775.00
Tussock grass - sedgeland fen - rushland - reedland wetland in impeded creeks in valleys in the upper slopes sub-region of the NSW South Western Slopes Bioregion	0.36	14.00
Total	89.34	2,460

Credit profiles

1. Blakely's Red Gum - Yellow Box grassy tall woodland of the NSW South Western Slopes Bioregion, (LA120)

Number of ecosystem credits created

565

IBRA sub-region

Upper Slopes - Lachlan

Offset options - Plant Community types	Offset options - IBRA sub-regions
<p>Blakely's Red Gum - Yellow Box grassy tall woodland of the NSW South Western Slopes Bioregion, (LA120)</p> <p>White Box grassy woodland in the upper slopes sub-region of the NSW South Western Slopes Bioregion, (LA219)</p> <p>Fuzzy Box Woodland on alluvial brown loam soils mainly in the NSW South Western Slopes Bioregion, (LA145)</p> <p>Red Box - White Box +/- Red Stringybark hill woodland in the NSW South Western Slopes Bioregion, (LA252)</p>	<p>Upper Slopes - Lachlan and any IBRA subregion that adjoins the IBRA subregion in which the development occurs</p>

2. Inland Scribbly Gum - Red Stringybark open forest on hills composed of siliceous substrates in the mid-Murrumbidgee and upper Lachlan catchments mainly in the western South Eastern Highlands Bioregion, (LA242)

Number of ecosystem credits created

106

IBRA sub-region

Upper Slopes - Lachlan

Offset options - Plant Community types	Offset options - IBRA sub-regions
<p>Inland Scribbly Gum - Red Stringybark open forest on hills composed of siliceous substrates in the mid-Murrumbidgee and upper Lachlan catchments mainly in the western South Eastern Highlands Bioregion, (LA242)</p> <p>Apple Box - Broad-leaved Peppermint dry open forest of the South Eastern Highlands Bioregion, (LA101)</p> <p>Apple Box - Yellow Box - Argyle Apple dry open forest of the South Eastern Highlands Bioregion and NSW South Western Slopes Bioregion, (LA102)</p> <p>Blakely's Red Gum - Red Stringybark open forest on slopes and hills of the western slopes, (LA117)</p> <p>Broad-leaved Peppermint - Brittle Gum - Red Stringybark dry open forest on the South Eastern Highlands Bioregion, (LA124)</p> <p>Broad-leaved Peppermint - Mountain Gum dry open forest of the Central Tablelands area of the South Eastern Highlands Bioregion, (LA125)</p> <p>Mugga Ironbark - Red Stringybark - Long-leaved Box dry grass forest of the NSW South Western Slopes Bioregion, (LA167)</p> <p>Red Box - Tumbledown Gum - Red Stringybark - Long-leaved Box dry woodland, upper NSW South Western Slopes Bioregion, (LA251)</p> <p>Brittle Gum - Broad-leaved Peppermint - Red Stringybark open forest in the north-western part (Yass to Orange) of the South Eastern Highlands Bioregion, (LA234)</p> <p>Red Stringybark - Blakely's Red Gum hillslope open forest on meta-sediments in the Yass - Boorowa - Crookwell region of the NSW South Western Slopes Bioregion and South Eastern Highlands Bioregion, (LA255)</p>	<p>Upper Slopes - Lachlan and any IBRA subregion that adjoins the IBRA subregion in which the development occurs</p>

3. Red Stringybark - Blakely's Red Gum hillslope open forest on meta-sediments in the Yass - Boorowa - Crookwell region of the NSW South Western Slopes Bioregion and South Eastern Highlands Bioregion, (LA255)

Number of ecosystem credits created 1,775
 IBRA sub-region Upper Slopes - Lachlan

Offset options - Plant Community types	Offset options - IBRA sub-regions
<p>Red Stringybark - Blakely's Red Gum hillslope open forest on meta-sediments in the Yass - Boorowa - Crookwell region of the NSW South Western Slopes Bioregion and South Eastern Highlands Bioregion, (LA255)</p> <p>Blakely's Red Gum - Red Stringybark open forest on slopes and hills of the western slopes, (LA117)</p> <p>Broad-leaved Peppermint - Mountain Gum dry open forest of the Central Tablelands area of the South Eastern Highlands Bioregion, (LA125)</p>	<p>Upper Slopes - Lachlan and any IBRA subregion that adjoins the IBRA subregion in which the development occurs</p>

4. Tussock grass - sedgeland fen - rushland - reedland wetland in impeded creeks in valleys in the upper slopes sub-region of the NSW South Western Slopes Bioregion, (LA271)

Number of ecosystem credits created

14

IBRA sub-region

Upper Slopes - Lachlan

Offset options - Plant Community types	Offset options - IBRA sub-regions
Tussock grass - sedgeland fen - rushland - reedland wetland in impeded creeks in valleys in the upper slopes sub-region of the NSW South Western Slopes Bioregion, (LA271)	Upper Slopes - Lachlan and any IBRA subregion that adjoins the IBRA subregion in which the development occurs

Summary of species credits required

Common name	Scientific name	Extent of impact Ha or individuals	Number of species credits created
Superb Parrot	<i>Polytelis swainsonii</i>	12.95	233
Squirrel Glider	<i>Petaurus norfolcensis</i>	0.27	6
Golden Sun Moth	<i>Synemon plana</i>	39.15	979