

Dear Mr Canon

Thank you for your e-mail below to the Biodiversity and Conservation Division (BCD) of the Environment, Energy and Science Group in the Department of Planning, Industry and Environment, seeking our comments on the amended Biodiversity Development Assessment Report (BDAR) for the proposed Bonshaw Solar Farm. I appreciate the opportunity to provide further input.

We have reviewed the attached information in relation to the updated species polygons which we understand will form part of an updated BDAR. The information provided is acceptable and has taken into account our previous advice. We have also reviewed the finalised Biodiversity Assessment Method (BAM) calculations and agree with the stated biodiversity credit requirements for the proposed development. The finalised credit summary report is attached for your information.

Please note that all biodiversity credits need to be retired prior to biodiversity impacts occurring in accordance with section 7.14(4) of the *Biodiversity Conservation Act 2016*. Also, the mitigation measures identified in Table 7.1 of the BDAR (dated 26 July 2019) must also form part of any development consent conditions if the development is to be approved. We would be pleased to assist with the drafting of conditions of consent.

If you have any further questions please contact Mr Krister Waern, Senior Operations Officer, in the first instance on [REDACTED]

Yours sincerely

Dimitri Young
Senior Team Leader Planning, North East Branch

Biodiversity and Conservation | Department of Planning, Industry and Environment

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Proposal Details

Assessment Id	Proposal Name	BAM data last updated *
00015157/BAAS17014/19/00015159	Bonshaw Solar Farm	04/06/2020
Assessor Name	Report Created	BAM Data version *
Matt Jenkins	17/06/2020	27
Assessor Number	BAM Case Status	Date Finalised
BAAS18029	Finalised	17/06/2020
Assessment Revision	Assessment Type	
1	Part 4 Developments (General)	

* Disclaimer: BAM data last updated may indicate either complete or partial update of the BAM calculator database. BAM calculator database may not be completely aligned with Bionet.

Ecosystem credits for plant communities types (PCT), ecological communities & threatened species habitat

Zone	Vegetation zone name	Vegetation integrity loss / gain	Area (ha)	Constant	Species sensitivity to gain class (for BRW)	Biodiversity risk weighting	Potential SAIL	Ecosystem credits
Grey Box grassy woodland or open forest of the Nandewar Bioregion and New England Tableland Bioregion								
1	516_Very_Low	20.7	3.0	0.25	High Sensitivity to Potential Gain	2.00		31
2	516_Derived_Moderate	24.7	2.8	0.25	High Sensitivity to Potential Gain	2.00		34

3	516_Disturbed_Grassland	15.8	7.4	0.25	High Sensitivity to Potential Gain	2.00		0
							Subtotal	65
Rough-barked Apple - White Cypress Pine - Blakely's Red Gum riparian open forest / woodland of the Nandewar Bioregion and New England Tableland Bioregion								
12	544_Low	35.0	0.8	0.25	High Sensitivity to Potential Gain	2.00	TRUE	15
							Subtotal	15
Silver-leaved Ironbark - White Cypress Pine shrubby open forest of Brigalow Belt South Bioregion and Nandewar Bioregion								
4	594_Moderate	61.3	4.1	0.25	High Sensitivity to Potential Gain	1.75		110
5	594_Low	33.3	9.5	0.25	High Sensitivity to Potential Gain	1.75		139
6	594_Disturbed_Grassland	11.8	49.8	0.25	High Sensitivity to Potential Gain	1.75		0
							Subtotal	249
Tumbledown Red Gum - White Cypress Pine - Silver-leaved Ironbark shrubby woodland mainly in the northern Nandewar Bioregion								
7	596_Moderate	62.6	11.2	0.25	High Sensitivity to Potential Gain	1.50		262
8	596_Low	38.2	0.3	0.25	High Sensitivity to Potential Gain	1.50		4
9	596_Very_Low	23.6	0.3	0.25	High Sensitivity to Potential Gain	1.50		3
10	596_Derived_Low	8.0	9.0	0.25	High Sensitivity to Potential Gain	1.50		0

11	596_Disturbed_Grassland	5.6	50.6	0.25	High Sensitivity to Potential Gain	1.50	0
						Subtotal	269
						Total	598

Species credits for threatened species

Vegetation zone name	Habitat condition (HC)	Area (ha) / individual (HL)	Constant	Biodiversity risk weighting	Potential SAIL	Species credits
<i>Ninox connivens</i> / Barking Owl (Fauna)						
516_Very_Low	20.7	1.1	0.25	2 False	11	
516_Derived_Moderate	24.7	1.69	0.25	2 False	21	
516_Disturbed_Grassland	15.8	2.67	0.25	2 False	21	
594_Moderate	61.3	0.87	0.25	2 False	27	
594_Low	33.3	1.75	0.25	2 False	29	
594_Disturbed_Grassland	11.8	8.42	0.25	2 False	50	
596_Moderate	62.6	2.61	0.25	2 False	82	
596_Very_Low	23.6	0.04	0.25	2 False	0	
596_Derived_Low	8.0	1.99	0.25	2 False	8	
596_Disturbed_Grassland	5.6	11.61	0.25	2 False	32	
544_Low	35.0	0.12	0.25	2 False	2	

							Subtotal	283
<i>Setirostris eleryi / Bristle-faced Free-tailed Bat (Fauna)</i>								
516_Very_Low	20.7	3	0.25	2	False			31
516_Derived_Moderate	24.7	2.76	0.25	2	False			34
516_Disturbed_Grassland	15.8	1.1	0.25	2	False			9
594_Moderate	61.3	4.1	0.25	2	False			126
594_Low	33.3	9.54	0.25	2	False			159
594_Disturbed_Grassland	11.8	6.53	0.25	2	False			38
596_Moderate	62.6	11.15	0.25	2	False			349
596_Low	38.2	0.25	0.25	2	False			5
596_Very_Low	23.6	0.3	0.25	2	False			4
596_Derived_Low	8.0	9.04	0.25	2	False			36
596_Disturbed_Grassland	5.6	7.55	0.25	2	False			21
544_Low	35.0	0.83	0.25	2	False			15
							Subtotal	827
<i>Tyto novaehollandiae / Masked Owl (Fauna)</i>								
516_Very_Low	20.7	0.24	0.25	2	False			2
516_Derived_Moderate	24.7	0.68	0.25	2	False			8

BAM Credit Summary Report

516_Disturbed_Grassland	15.8	0.59	0.25	2	False	5
594_Low	33.3	0.01	0.25	2	False	0
594_Disturbed_Grassland	11.8	1.61	0.25	2	False	9
596_Moderate	62.6	2.4	0.25	2	False	75
596_Derived_Low	8.0	0.64	0.25	2	False	3
596_Disturbed_Grassland	5.6	0.89	0.25	2	False	2
					Subtotal	104
<i>Vespadelus troughtoni / Eastern Cave Bat (Fauna)</i>						
516_Very_Low	20.7	3	0.25	3	True	46
594_Moderate	61.3	4.1	0.25	3	True	189
594_Low	33.3	9.54	0.25	3	True	238
596_Moderate	62.6	11.15	0.25	3	True	523
596_Low	38.2	0.25	0.25	3	True	7
596_Very_Low	23.6	0.3	0.25	3	True	5
544_Low	35.0	0.83	0.25	3	True	22
					Subtotal	1030