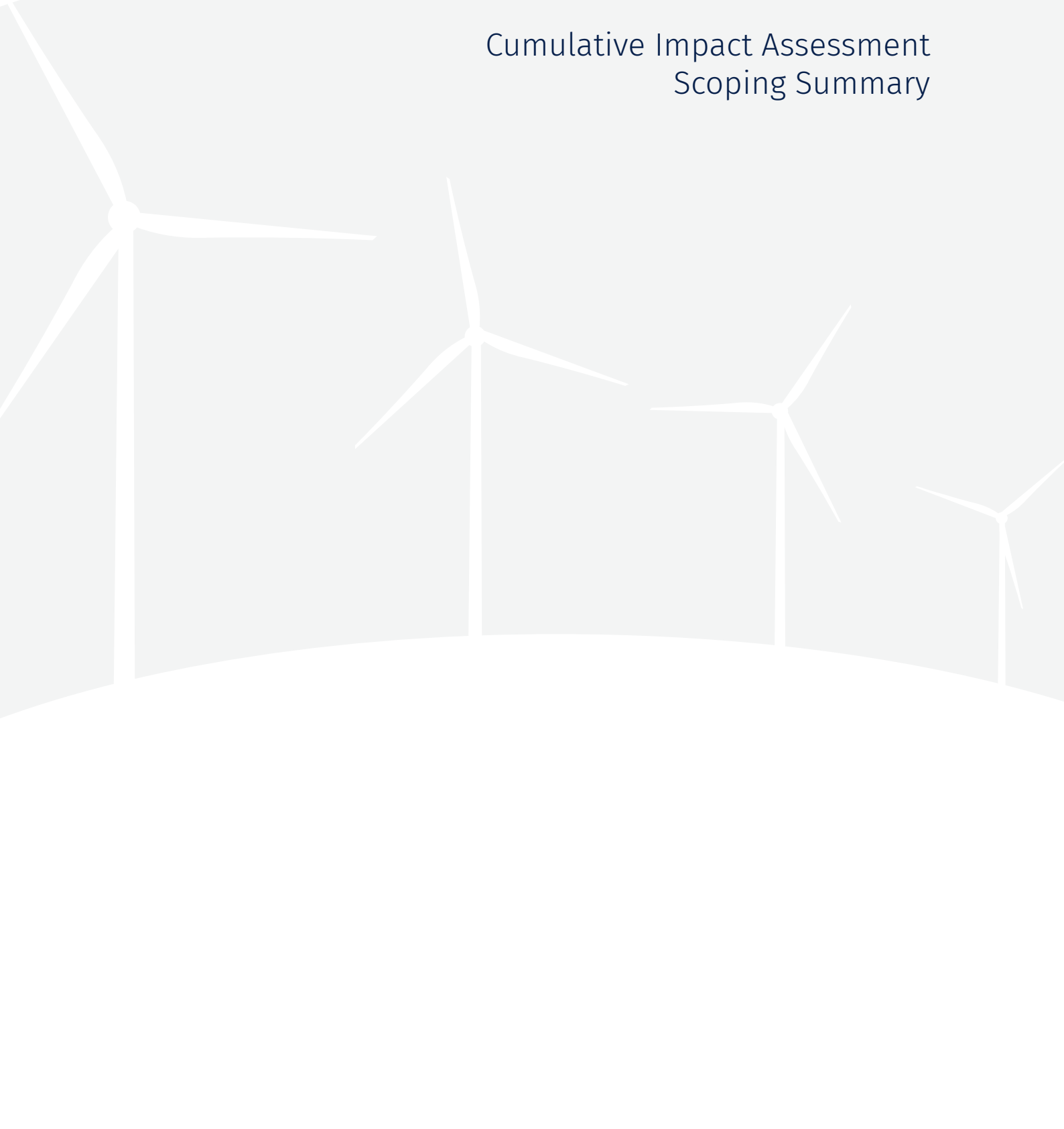


Appendix 20

Cumulative Impact Assessment Scoping Summary



Appendix 20– Cumulative Impact Assessment – Scoping Summary

The following provides an analysis of the potential for the Project to result in cumulative impact considering all relevant existing and future Projects with the REZ and surrounding Region. Where the summary has identified specific Projects as resulting in potential impact this has been addressed in the relevant specialist assessments and EIS (refer to **Section 6.0**).

Table Error! No text of specified style in document..1 Potential Overlap and Cumulative Impacts of Other Projects

Key	N/A – No potential overlap in impacts between Project and existing/future project that would warrant any consideration in the cumulative impact assessment
	Standard Assessment – Project and existing/future project unlikely to result in significant cumulative impacts
	Detailed Assessment – Project and existing/future project may result in cumulative impacts

Future Projects	Distance to Project (Approx)	Project Status/Indicative Timing/Overlap	Potential Overlap Between Impact of Project on Assessment Matter and Impact of Other Projects on the Same Assessment Matter														
			Visual	Noise and Vibration	Biodiversity	Traffic and Transport	Aboriginal Cultural Heritage	Historic Heritage	Aviation Impact	Risk	Water and Soils	Waste	Social and Economic	Air Quality	Decom and Rehab-		
White Rock 2 Wind Farm	110 km N of Project Area	Under construction - likely to be complete prior to Project construction phase Negligible overlapping impacts during operations due to separation distance															
Gunnedah Solar Farm	95 km SW of Project Area	Under construction – expected to be completed prior to construction of Project Negligible overlapping impacts during operations due to separation distance															
Metz Solar Farm	58 km NE of Project Area	Under construction – expected to be completed prior to construction of Project Negligible overlapping impacts during operations due to separation distance															
UNE Solar Farm	46 km NE of the Project Area	Under construction – expected to be completed prior to construction of Project Negligible overlapping impacts during operations due to separation distance															
Glen Innes Wind Farm	115 km N of Project Area	Approved – construction timing unknown however sufficient time to complete construction prior to construction of the Project Negligible overlapping impacts during operations due to separation distance															
Bonshaw Solar Farm	175 km N of Project Area	Approved – construction timing unknown however sufficient time to complete construction prior to construction of the Project Negligible overlapping impacts during operations due to separation distance															

Future Projects	Distance to Project (Approx)	Project Status/Indicative Timing/Overlap	Potential Overlap Between Impact of Project on Assessment Matter and Impact of Other Projects on the Same Assessment Matter														
			Visual	Noise and Vibration	Biodiversity	Traffic and Transport	Aboriginal Cultural Heritage	Historic Heritage	Aviation Impact	Risk	Water and Soils	Waste	Social and Economic	Air Quality	Decom and Rehab-		
Sapphire Solar Farm	130 km N of Project Area	Approved – construction expected to commence early 2022 with 18 month construction timeframe and 25 year life – unlikely to overlap with the Project. Negligible overlapping impacts during operations															
Tenterfield Solar Farm	200km N of Project Area	Approved – construction expected to commence 2022 sufficient time to complete construction prior to construction of the Project, negligible impacts during construction due to location Negligible overlapping impacts during operations due to separation distance															
Orange Grove Solar Farm	95km SW of Project Area, 60km W of Tamworth	Approved – construction timeframe 9 months - sufficient time to complete construction prior to construction of the Project, negligible impacts during construction due to location Negligible overlapping impacts during operations due to separation distance															
Stringy Bark Solar Farm	50km NE of Project Area	Approved – construction timing unknown however sufficient time to complete construction prior to construction of the Project Negligible overlapping impacts during operations due to separation distance															
Taminda Solar Farm	51km SW of Project Area 4.3 km N of Tamworth	Approved – construction timing unknown however sufficient time to complete construction prior to construction of the Project, negligible impacts during construction due to location Negligible overlapping impacts during operations due to separation distance															
Tamworth Solar Farm	65 km SW of Project Area 28 km W of Tamworth	Approved – construction timeframe 12 months - sufficient time to complete construction prior to construction of the Project, negligible impacts during construction due to location Negligible overlapping impacts during operations due to separation distance															
New England Solar Farm	28 km NE of Project Area	Approved – construction timeframe 36 months, to be built in stages, potential for construction timeframes to overlap Negligible overlapping impacts during operations due to separation distance															
Guyra Solar Farm	76 km NE of Project Area	Approved- construction timing unknown however sufficient time to complete construction prior to construction of the Project Negligible overlapping impacts during operations due to separation distance															

Future Projects	Distance to Project (Approx)	Project Status/Indicative Timing/Overlap	Potential Overlap Between Impact of Project on Assessment Matter and Impact of Other Projects on the Same Assessment Matter													
			Visual	Noise and Vibration	Biodiversity	Traffic and Transport	Aboriginal Cultural Heritage	Historic Heritage	Aviation Impact	Risk	Water and Soils	Waste	Social and Economic	Air Quality	Decom and Rehab-	
5MW Solar Farm	58 km SW of Project Area	Approved – construction timeframe 12 months - sufficient time to complete construction prior to construction of the Project, negligible impacts during construction due to location Negligible overlapping impacts during operations due to separation distance														
Armidale Solar Farm	41.5km NE of Project Area	Approved - construction timing unknown however sufficient time to complete construction prior to construction of the Project Negligible overlapping impacts during operations due to separation distance														
Manilla Solar Farm	40km E of the Project Area	Approved - construction timing unknown however sufficient time to complete construction prior to construction of the Project, negligible impacts during construction due to location Negligible overlapping impacts during operations due to separation distance														
Hills of Gold Wind Farm	95 km SE of Project Area	Under Assessment - EIS Exhibited Approval and construction timing unknown however negligible impacts during construction expected due to location Negligible overlapping impacts during operations due to separation distance														
Doughboy Wind Farm	88.5km NE of Project Area	Under Assessment - Prepare EIS Approval and construction timing unknown however potential for construction timeframes to overlap Negligible overlapping impacts during operations due to separation distance														
Rangoon Wind Farm (North and South)	93.9 km N of Project Area	Under Assessment - Prepare EIS Approval and construction timing unknown however potential for construction timeframes to overlap Negligible overlapping impacts during operations due to separation distance														
Winterbourne Wind Farm	38km east of Project Area	Under Assessment - Prepare EIS Approval and construction timing unknown however potential for construction timeframes to overlap Operational impacts (visual and noise) unlikely due to separation distance														
Oxley Solar Farm	50km NE of Project Area	Under Assessment - EIS Exhibited Approval and construction timing unknown however potential for construction timeframes to overlap Negligible overlapping impacts during operations due to separation distance														

Future Projects	Distance to Project (Approx)	Project Status/Indicative Timing/Overlap	Potential Overlap Between Impact of Project on Assessment Matter and Impact of Other Projects on the Same Assessment Matter													
			Visual	Noise and Vibration	Biodiversity	Traffic and Transport	Aboriginal Cultural Heritage	Historic Heritage	Aviation Impact	Risk	Water and Soils	Waste	Social and Economic	Air Quality	Decom and Rehab-	
Dumaresq Solar Farm	200 km N of the Project Area	Under Assessment - Prepare EIS Approval and construction timing unknown however negligible impacts during construction expected due to location Negligible overlapping impacts during operations due to separation distance														
Middlebrook Solar Farm	75km SW of Project Area (25 km S of Tamworth)	Under Assessment - Prepare EIS Approval and construction timing unknown however negligible impacts during construction expected due to location Negligible overlapping impacts during operations due to separation distance														
Salisbury Solar Farm	32 km NE of Project Area	Under Assessment - Prepare EIS Approval and construction timing unknown however potential for construction timeframes to overlap Negligible overlapping impacts during operations due to separation distance														
Sundown Solar Farm	108 km N of Project Area	Under Assessment - Prepare EIS Approval and construction timing unknown however negligible impacts during construction expected due to location Negligible overlapping impacts during operations due to separation distance														
Tilbuster Solar Farm	55km NE of the Project Area	Under Assessment - EIS Exhibited Approval and construction timing unknown however potential for construction timeframes to overlap Negligible overlapping impacts during operations due to separation distance														
Thunderbolt Energy Hub – Solar Farm	Adjacent to Project Area	Under Assessment - Prepare EIS Extent and design of Project is yet to be confirmed Approval and construction timing unknown however construction unlikely to overlap with the Project Operational impacts to be addressed as part of detailed design of solar farm and preparation of relevant EIS														
Tamworth Battery Energy Storage System	55km SW of Project Area (8 km S of Tamworth)	Under Assessment - Prepare EIS Approval and construction timing unknown however negligible impacts during construction expected due to location Negligible overlapping impacts during operations due to separation distance														
Armidale Battery Energy Storage System	45.54km NE of Project Area	Under Assessment - Prepare EIS Approval and construction timing unknown however potential for construction timeframes to overlap Negligible overlapping impacts during operations due to separation distance														

Future Projects	Distance to Project (Approx)	Project Status/Indicative Timing/Overlap	Potential Overlap Between Impact of Project on Assessment Matter and Impact of Other Projects on the Same Assessment Matter													
			Visual	Noise and Vibration	Biodiversity	Traffic and Transport	Aboriginal Cultural Heritage	Historic Heritage	Aviation Impact	Risk	Water and Soils	Waste	Social and Economic	Air Quality	Decom and Rehab-	
5MW Solar Plant	40 km SW of Project Area	Under Assessment - DA Submitted – local Council Approval and construction timing unknown however negligible impacts during construction expected due to location Negligible overlapping impacts during operations due to separation distance														
Thunderbolt Energy Hub – Stage 2	Adjacent to the Project Area	Pre-scoping – extent of Stage 2 yet to be confirmed, construction timeframes will not overlap Operational cumulative impacts will be addressed during layout design and preparation of the EIS for Stage 2														
Bendemeer Renewable Energy Hub	(30 km SW of Project Area)	Pre-scoping - Development Application yet to be submitted and Project Description yet to be confirmed														
Tara Springs Wind Farm	9.9km S of Project Area	Pre-scoping – Development Application yet to be submitted and Project Description yet to be confirmed														