

Appendix 11

Revised Cumulative Impact Summary

Wattle Creek BESS - Cumulative Impact Summary

Likelihood	LOW - No potential overlap – no further consideration of cumulative impacts undertaken.
	MODERATE - Minor potential for overlap however unlikely to result in significant cumulative impacts – no further consideration of cumulative impacts required.
	HIGH - Overlap is likely/certain and there is potential for substantial cumulative impacts – qualitative assessment of the cumulative impacts undertaken.

Project	Proximity /Location from Project Area	Details/Timing/Overlap	Key Issue										
			Biodiversity	Waste	Social/ Economic	Noise	Visual	Bushfire	Aboriginal Heritage	Historic Heritage	Hazards and Risk	Land Use	Transport
Renewable projects – Approved Operational													
Crookwell 2 Wind Farm (DA176-9-2004) - Operational	25 km west Crookwell, Upper Lachlan Shire LGA	110 MW Wind Farm - Disturbance area >5 ha of native grasslands											
Taralga Wind Farm (DA241/04) - Operational	30 km northwest Taralga, Upper Lachlan Shire LGA	93- 124 MW Wind Farm ~13.8 ha disturbance area											
Gullen Range Wind Farm (MP07_0118) – Operational	50 km west Bannister, Upper Lachlan Shire LGA	278 MW Wind Farm ~91 ha development footprint on predominantly pastures with minimal disturbance to native vegetation											
Gullen Solar Farm (DA 7/2016) - Operational	50 km west Bannister, Upper Lachlan Shire LGA	11 MW Solar Farm ~64 ha of disturbance predominately pastures, less than 2 ha of native vegetation clearance											
Woodlawn Wind Farm (DA250-10-2004) - Operational	69 km southwest Bungendore, Queanbeyan-Palerang Regional Council LGA	50 MW Wind Farm ~4.8 ha disturbance area including 1 ha of native vegetation.											
Capital Wind Farm (MP05_0179) - Operational	81 km southwest Bungendore, Queanbeyan-Palerang Regional Council LGA	46 MW Wind Farm - disturbance area unknown.											
Crookwell Wind Farm 3 (SSD-6695) – Operational	32 km west Crookwell, Upper Lachlan Shire LGA	58 MW wind farm ~60 ha development footprint of largely cleared pastures ~2.4 ha of native vegetation											
Renewable projects – Approved Under Construction													

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Blind Creek Solar Farm (previously Capital Solar Farm) (MP10_0121)	85 km southwest Bungendore, Queanbeyan-Palerang Regional Council LGA	300 MW Solar Farm and 243 MW battery ~100 ha development footprint of largely cleared of vegetation and clearing limited to dying or dead pine trees planted for wind break. - Construction commenced 2025 expecting to be operational by 2027 – construction phase unlikely to overlap with the Project. - Unlikely to be operational cumulative impacts due to separation distance.											
Renewable projects – Approved / Construction not commenced													
Marulan Solar Farm (SSD-13137914) – Approved	16 km south Marulan, Goulburn Mulwaree LGA	152 MW solar farm ~ 330 ha development footprint, 26.8 ha of native vegetation - Construction phase ~21 months (~300 employees). Construction timeline unknown. Primary transport route is Hume Highway.											
Hume Link (SSI-36656827) - Approved	32 km north Wagga Wagga, Bannaby And Maragle, Wagga Wagga City LGA	360-kilometre 500 kilovolt (kV) high-voltage transmission Line. Includes construction and modifications of substations along alignment. ~ 670 ha of native vegetation disturbance within the indicative disturbance area - Construction is expected to commence in 2025 and be completed by the end of 2027, up to 1,200 construction workers across multiple work fronts. - Potential for partial overlap with the Project construction phase dependent on the location of where works are occurring at any particular time.											
Renewable Projects – Under assessment													
Gundry Solar Farm (SSD-48225958) – Under assessment	40 km southwest Goulburn, Goulburn-Mulwaree Council LGA	400 MW Solar Farm ~512 ha development footprint, ~14 ha of native vegetation. - Construction ~18 to 24 months (~400 employees during construction). Construction expected to be completed during 2027. - Primary transport route is Hume Highway. - No operational impact expected due to separation distance.											
Woodlawn Advanced Energy Recovery Centre (SSD-21184278) – Response to Submissions	66km south Tarago, Goulburn Mulwaree LGA	30 MW Energy Recovery and Power Plant ~ 38 ha development corridor. - Construction ~ 3 years (up to 300 employees). Access serviced by the Hume Highway, Kings Highway, and Braidwood Road. - Given separation distance from the Project Area and proximity to the ACT and Queanbeyan, impacts are unlikely.											

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Merino Solar Farm (SSD-59155459) – Prepare EIS	40 km southwest Goulburn, Goulburn- Mulwaree Council LGA	450 MW Solar Farm with 300MW BESS ~760 ha development footprint. - Construction ~12 to 18 months (up to 300 employees). Primary transport route is Hume Highway. - No operational impact expected due to separation distance.											
Boro Solar Farm (SSD-87034971) Prepare EIS	74 km southwest Goulburn- Mulwaree Council LGA	150 MW solar and 250 MW BESS ~360 ha disturbance area, predominately cleared pasture - Construction ~24 months (150 employees) expected to commence in 2027. Primary transport route is Hume Highway.											
Willavale Park BESS (SSD-78100252) – Prepare EIS	52 km southwest Goulburn- Mulwaree Council LGA	300 MW BESS ~20 ha development footprint - Construction ~18 months (75-115 employees), timing unknown.											
Banaaby BESS (SSD-78810458) - Prepare EIS	16 km north Upper Lachlan Shire LGA	750 MW BESS ~16 ha development footprint. - Construction ~18 months – expected to commence in 2026 and be completed by 2028. - Site accessed via the Hume Highway, through Goulburn and Taralga.											
Hanworth BESS (SSD-78179499) – Prepare EIS	16 km north Upper Lachlan Shire LGA	1.2 GW BESS ~28 ha development footprint. - Construction ~24 months (100 employees). - Site accessed via the Hume Highway, through Goulburn and Taralga.											
Swallow Tail BESS (SSD-78039972) – Prepare EIS	16 km north Upper Lachlan Shire LGA	375 MW BESS ~8 ha development footprint. - Construction ~15 months (120 employees). - Site accessed via the Hume Highway, through Goulburn and Taralga.											
Pailing Yards Wind Farm (SSD-29064077) – Response to Submissions	~52 km north Oberon LGA	287 MW Wind Farm ~236 ha development footprint. - Construction ~ 22 months (152 employees), timing unknown.											

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Canyonleigh BESS (SSD-78247462)	Adjacent to the Marulan Substation (on southern side of Canyonleigh Road). Goulburn-Mulwaree Council LGA	300 MW BESS ~13 ha development footprint. - Construction ~12 to 18 months (up to 115 employees). Scoping report indicates commencement of construction in mid 2026 with operations commencing in 2027. - Site accessed via Canyonleigh Road and the Hume Highway.										
Marulan Gas Fired Power Station (MP07_0175) Approved – Modification 4 Report currently being prepared – increase capacity and DA lapse date	Adjacent to Project Area - Big Hill, Upper Lachlan Shire LGA	800 MW Gas Fired Power Station (modification 4 proposes 1.43 gigawatt) - Disturbance includes ~ 34.2 ha of native vegetation - Construction timing and commencement unknown – modification 4 seeks extension of approval lapse date to 2031. - Construction timeframe unknown (up to 400 employees), modification 4 proposes construction of temporary workers accommodation to house construction workforce. - Primary access via Canyonleigh Road and Hume Highway. - Construction may overlap with the Project.										
Wattle Creek Solar Farm (SSD-63344210) – Response to Submissions	Within Project Area Big Hill, Upper Lachlan Shire LGA	265 MW Solar / 100 MW BESS ~580 ha development footprint - Construction ~ 24 months duration (up to 250 employees). - Construction may be undertaken concurrently with Project.										
Other projects – Proposed / Approved, not yet constructed												
Marulan Quarry (SSD-65146459) – under assessment	30 km southwest Marulan, Goulburn Mulwaree LGA	0.5 Mtpa Quarry Operations ~30 ha disturbance of native vegetation. - Truck movements limited to 50 outbound daily movements. There is potential for cumulative traffic impacts associated with the Hume Highway.										
Goulburn Base Hospital Redevelopment (SSD-8667)	40 km southwest Goulburn, Goulburn Mulwaree LGA	- Redevelopment of Goulburn Base Hospital - Construction has begun and is expected to take 24 months (200 employees) possible for partial overlap with Project. Main access will occur via Faithfull Street, Sydney Road and Hume Highway.										
Other projects – Approved / under construction or operational												

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Gunlake Quarry Continuation Project (SSD-12469087) – Operational	5 km southwest Brayton Road, Marulan, Goulburn Mulwaree LGA	4.2 million tonnes per annum (Mtpa) Quarry Operations ~ 100 ha disturbance area. - Truck movements limited to 375 outbound daily movements. There is potential for cumulative traffic impacts associated with Brayton Road, Ambrose Road, and the Hume Highway.											
Green Valley Quarry (MP08_0230) - Operational	6 km southeast Paddy’s River, Wingecarribee Shire LGA	1.3 Mtpa Quarry Operations - Approximate disturbance area = 78 ha of native vegetation - Truck movements limited to 170 outbound daily movements. There is potential for minor cumulative operational impacts and the transport route along Hume Highway with the proposed Project has been considered in the EIS.											
Berrima Coal Mine (MP10_0172) - Operational	12 km northeast Berrima, Wingecarribee Shire LGA	0.46 Mtpa Coal Mine ~3.6 ha of native vegetation within Pit Top Area and excluding underground mining areas - Potential for minor cumulative traffic impacts during the construction phase associated with the Hume Highway.											
Lynwood Quarry (DA128-5-2005) - Operational	16 km south Marulan, Goulburn Mulwaree LGA	5 Mtpa Quarry Operations ~103 ha disturbance of native vegetation. - There is potential for cumulative traffic impacts associated with Hume Highway.											
Marulan South Limestone Mine Continued Operations Project (SSD-7009) - Operational	16 km south Marulan, Goulburn Mulwaree LGA	4 Mtpa Quarry Operations ~182 ha disturbance of native vegetation with overall 598 ha disturbance area - There is potential for cumulative traffic impacts associated with Hume Highway.											
Peppertree Quarry (MP06_0074) - Operational	16 km south Marulan, Goulburn Mulwaree LGA	3.5 Mtpa ~90 ha disturbance of pasture and grassland within 104 ha disturbance area - All products transported by rail. There is low potential for cumulative operational impacts.											
Barina Quarry (DA1-01-2000-Mod-3) – Operational – modification under assessment to extend life of operations.	65 km southwest	300,000 tpa ~5 ha development footprint. - There is potential for cumulative traffic impacts associated with Hume Highway.											

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WSC Quarry Marulan (SSD-82633224) – Prepare EIS	13 km southwest Hume Highway, Marulan, Goulburn Mulwaree LGA	1 Mtpa Quarry Operations ~194 ha Project Area. - There is potential for cumulative traffic impacts associated with the Hume Highway											
Cleary Bros Marulan Quarry (SSD-77991709) – Prepare EIS	13 km southwest Marulan, Goulburn Mulwaree LGA	1 Mtpa Quarry Operations - Development footprint unknown - Site accessed via Marulan and the Hume Highway, potential for cumulative traffic impacts associated with the Hume Highway											