

Site	Size	Project type	Description	Capital Cost \$	Capex	Savings	Self-consumed	Exported	Avg rate	Discount	Value of s	FiT
Mahogany Road Nambucca Heads STP	30.10 kW	Solar PV	Ground mount	\$1.50/W	\$45,150	52.21 MWh	43.91 MWh	8.31 MWh	\$0.24	75%	\$0.18	\$0.06
Mahogany Road Nambucca Heads STP	69.80 kW	Solar PV	Ground mount	\$1.50/W	\$104,700	119.00 MWh	78.79 MWh	40.21 MWh	\$0.24	75%	\$0.18	\$0.06
Unit 1, River Street, Macksville (STP)	19.80 kW	Solar PV	Ground mount	\$1.50/W	\$29,700	34.53 MWh	32.50 MWh	2.04 MWh	\$0.24	75%	\$0.18	\$0.06
Unit 1, River Street, Macksville (STP)	39.70 kW	Solar PV	Ground mount	\$1.50/W	\$59,550	69.08 MWh	52.06 MWh	17.02 MWh	\$0.24	75%	\$0.18	\$0.06
Administration Office, 44 Princess St Macksville	30.00 kW	Solar PV	Roof mount - flush	\$1.20/W	\$36,000	42.47 MWh	34.59 MWh	7.88 MWh	\$0.27	100%	\$0.27	\$0.06
Administration Office, 44 Princess St Macksville	49.80 kW	Solar PV	Roof mount - flush	\$1.20/W	\$59,760	68.32 MWh	50.85 MWh	17.46 MWh	\$0.27	100%	\$0.27	\$0.06
Sewerage Works Scotts Head	5.12 kW	Solar PV	Ground mount	\$1.50/W	\$7,680	8.94 MWh	8.05 MWh	0.89 MWh	\$0.28	73%	\$0.21	\$0.06
Sewerage Works Scotts Head	15.40 kW	Solar PV	Ground mount	\$1.50/W	\$23,100	26.44 MWh	18.51 MWh	7.93 MWh	\$0.28	73%	\$0.21	\$0.06
Works Depot, River Street, Macksville	4.95 kW	Solar PV	Roof mount - tilt	\$1.35/W	\$6,683	7.51 MWh	6.00 MWh	1.50 MWh	\$0.31	73%	\$0.22	\$0.06
Works Depot, River Street, Macksville	17.90 kW	Solar PV	Roof mount - tilt	\$1.35/W	\$24,165	27.27 MWh	8.18 MWh	19.09 MWh	\$0.31	73%	\$0.22	\$0.06
Library, Princess Street, Macksville	5.23 kW	Solar PV	Roof mount - flush	\$1.20/W	\$6,276	7.36 MWh	6.62 MWh	0.74 MWh	\$0.36	73%	\$0.27	\$0.06
Library, Princess Street, Macksville	12.20 kW	Solar PV	Roof mount - flush	\$1.20/W	\$14,640	17.19 MWh	12.89 MWh	4.30 MWh	\$0.36	73%	\$0.27	\$0.06
Macksville Senior Citizens Building	2.20 kW	Solar PV	Roof mount - flush	\$1.20/W	\$2,640	2.98 MWh	2.23 MWh	0.74 MWh	\$0.36	73%	\$0.27	\$0.06
Macksville Senior Citizens Building	4.13 kW	Solar PV	Roof mount - flush	\$1.20/W	\$4,956	5.75 MWh	2.87 MWh	2.87 MWh	\$0.36	73%	\$0.27	\$0.06
Bowraville Dam, Bobo Road, Bowraville	4.48 kW	Solar PV	Ground mount	\$1.50/W	\$6,720	7.85 MWh	6.67 MWh	1.18 MWh	\$0.32	100%	\$0.32	\$0.06
Bowraville Dam, Bobo Road, Bowraville	15.40 kW	Solar PV	Ground mount	\$1.50/W	\$23,100	27.11 MWh	8.00 MWh	19.11 MWh	\$0.32	100%	\$0.32	\$0.06
Nambucca Emergency Management, River St, Macksville	4.95 kW	Solar PV	Roof mount - tilt	\$1.35/W	\$6,683	6.66 MWh	5.00 MWh	1.67 MWh	\$0.29	73%	\$0.21	\$0.06
Nambucca Emergency Management, River St, Macksville	12.10 kW	Solar PV	Roof mount - tilt	\$1.35/W	\$16,335	17.09 MWh	8.55 MWh	8.55 MWh	\$0.29	73%	\$0.21	\$0.06
Treatment Works, River Street, Bowraville	9.90 kW	Solar PV	Roof mount - tilt	\$1.35/W	\$13,365	15.14 MWh	10.60 MWh	4.54 MWh	\$0.30	73%	\$0.22	\$0.06
Entertainment Centre, Ridge Street, Nambucca Heads	4.13 kW	Solar PV	Roof mount - flush	\$1.20/W	\$4,956	5.72 MWh	4.01 MWh	1.72 MWh	\$0.36	73%	\$0.27	\$0.06
Entertainment Centre, Ridge Street, Nambucca Heads	8.32 kW	Solar PV	Roof mount - flush	\$1.20/W	\$9,984	11.71 MWh	4.68 MWh	7.03 MWh	\$0.36	73%	\$0.27	\$0.06
New Waste Disposal Plant, Old Coast Road	3.30 kW	Solar PV	Roof mount - tilt	\$1.35/W	\$4,455	4.86 MWh	3.64 MWh	1.21 MWh	\$0.31	73%	\$0.23	\$0.06
New Waste Disposal Plant, Old Coast Road	8.00 kW	Solar PV	Roof mount - tilt	\$1.35/W	\$10,800	11.59 MWh	4.64 MWh	6.95 MWh	\$0.31	73%	\$0.23	\$0.06
Visitor Information Centre, Nambucca Heads	2.50 kW	Solar PV	Roof mount - flush	\$1.20/W	\$3,000	3.17 MWh	1.58 MWh	1.58 MWh	\$0.36	73%	\$0.27	\$0.06
Visitor Information Centre, Nambucca Heads	2.20 kW	Solar PV	Roof mount - tilt	\$1.35/W	\$2,970	3.50 MWh	1.75 MWh	1.75 MWh	\$0.36	73%	\$0.27	\$0.06
Aquatic centre & hydro pool, Macksville	65.88 kW	Solar PV	Roof mount - flush	\$1.24/W	\$81,362	106.29 MWh	90.34 MWh	15.94 MWh	\$0.20	75%	\$0.15	\$0.06
Administration Office, Macksville		Energy efficiency	Upgrade lighting to LED		\$13,200	21,000 kWh			\$0.27			
Macksville Library and Senior Citizens facilities		Energy efficiency	Upgrade lighting to LED		\$8,400	10,800 kWh			\$0.36			
Macksville depot		Energy efficiency	Upgrade lighting to LED		\$7,500	7,000 kWh			\$0.31			
Nambucca emergency management centre		Energy efficiency	Upgrade lighting to LED		\$4,500	5,000 kWh			\$0.29			
Nambucca Library and Nambucca community centre / entertainment centre		Energy efficiency	Upgrade lighting to LED		\$7,700	3,500 kWh			\$0.36			
Waste transfer station Old Coast Road		Energy efficiency	Assess potential to use electric rather th		\$15,000	4,000 kWh			\$0.31			
Administration Office, Macksville		Energy efficiency	Replace HVAC system with energy effici		\$420,000	14,500 kWh			\$0.27			
Bowraville headworks		Energy efficiency	Implement VSD control of major water p		\$200,000	80,000 kWh			\$0.25			
Lighting at all sites		Energy efficiency	Upgrade lighting to LED		\$37,500	50,000 kWh			\$0.25			
HVAC at all sites		Energy efficiency	Upgrade with high-COP split units		\$31,250	25,000 kWh			\$0.25			
Appliances and office equipment at all sites		Energy efficiency	Purchase efficient appliances and office		\$37,500	30,000 kWh			\$0.25			
Motor systems at large sites		Energy efficiency	Upgrade with VSD control at upgrade / r		\$0				\$0.25			
Street lighting		Energy efficiency	Upgrade to LED - residential roads		\$530,506	349,489 kWh			\$0.206			
Street lighting		Energy efficiency	Upgrade to LED - main roads		\$310,479	211,948 kWh			\$0.206			
Solar PV Additions	Size	Project type	Description	Capital Cost \$	Capex	Savings	Self-consumed	Exported	Avg rate	Discount	Value of s	FiT
Mahogany Road Nambucca Heads STP	39.70 kW	Solar PV	Ground mount	\$1.50/W	\$59,550	66.79 MWh	34.88 MWh	31.91 MWh				
Unit 1, River Street, Macksville (STP)	19.90 kW	Solar PV	Ground mount	\$1.50/W	\$29,850	34.55 MWh	19.57 MWh	14.98 MWh				
Sewerage Works Scotts Head	10.28 kW	Solar PV	Ground mount	\$1.50/W	\$15,420	17.50 MWh	10.46 MWh	7.04 MWh				
Works Depot, River Street, Macksville	12.95 kW	Solar PV	Roof mount - tilt	\$1.35/W	\$17,483	19.76 MWh	2.18 MWh	17.59 MWh				
Macksville Senior Citizens Building	1.93 kW	Solar PV	Roof mount - flush	\$1.20/W	\$2,316	2.77 MWh	0.64 MWh	2.13 MWh				
Bowraville Dam, Bobo Road, Bowraville	10.92 kW	Solar PV	Ground mount	\$1.50/W	\$16,380	19.26 MWh	1.33 MWh	17.93 MWh				
Nambucca Emergency Management, River St, Macksville	7.15 kW	Solar PV	Roof mount - tilt	\$1.35/W	\$9,653	10.43 MWh	3.55 MWh	6.88 MWh				
Entertainment Centre, Ridge Street, Nambucca Heads	4.19 kW	Solar PV	Roof mount - flush	\$1.20/W	\$5,028	5.99 MWh	0.68 MWh	5.31 MWh				
New Waste Disposal Plant, Old Coast Road	4.70 kW	Solar PV	Roof mount - tilt	\$1.35/W	\$6,345	6.73 MWh	0.99 MWh	5.74 MWh				

Tariff Code	Savings Yr1	Yr1 O&M @ \$15/MWh	Payback in Years	NPV over 25 years	per 25 years	Timing
BLND3AO	\$8,402	\$783	5.91 Years	\$38,363.46	16%	Medium
BLND3AO	\$16,595	\$1,785	7.07 Years	\$49,504.86	12%	Long
BLND3AO	\$5,971	\$518	5.42 Years	\$31,399.95	18%	Medium
BLND3AO	\$10,393	\$1,036	6.35 Years	\$40,731.68	14%	Long
BLNT1AO	\$9,811	\$637	3.90 Years	\$66,350.72	25%	NA
BLNT1AO	\$14,778	\$1,025	4.32 Years	\$91,641.97	23%	Short
Small site TOU	\$1,717	\$134	4.32 Years	\$12,211.00	23%	Medium
Small site TOU	\$4,299	\$397	5.90 Years	\$18,653.07	16%	Long
Small site TOU	\$1,435	\$113	5.03 Years	\$7,876.16	19%	Short
Small site TOU	\$2,979	\$409	9.51 Years	-\$1,420.39	6%	Long
Small site single rate	\$1,802	\$110	3.68 Years	\$12,840.68	27%	NA
Small site single rate	\$3,682	\$258	4.25 Years	\$23,067.83	23%	Short
Small site single rate	\$637	\$45	4.43 Years	\$3,883.84	22%	Short
Small site single rate	\$935	\$86	5.82 Years	\$3,764.81	16%	Long
BLNN1AU	\$2,172	\$118	3.24 Years	\$16,543.60	31%	Short
BLNN1AU	\$3,667	\$407	7.10 Years	\$7,886.70	11%	Long
Small site TOU	\$1,143	\$100	6.38 Years	\$4,586.69	14%	Medium
Small site TOU	\$2,297	\$256	8.03 Years	\$3,904.61	10%	Long
Small site TOU	\$2,593	\$227	5.63 Years	\$12,037.41	17%	Medium
Small site single rate	\$1,167	\$86	4.56 Years	\$6,819.57	21%	Short
Small site single rate	\$1,666	\$176	6.71 Years	\$4,629.49	13%	Medium
Small site TOU	\$897	\$73	5.38 Years	\$4,524.57	18%	Medium
Small site TOU	\$1,466	\$174	8.40 Years	\$1,534.01	9%	Long
Small site single rate	\$515	\$47	6.40 Years	\$1,794.14	14%	NA
Small site single rate	\$570	\$53	5.72 Years	\$2,360.53	16%	Medium
Not advised	\$14,508	\$1,594	6.29 Years	\$58,181.41	15%	Medium
	\$5,670		2.33 Years			Short
	\$3,929		2.14 Years			Short
	\$2,149		3.49 Years			Medium
	\$1,430		3.15 Years			Medium
	\$1,273		6.05 Years			Medium
	\$1,240		12.10 Years			Long
	\$3,915		107.28 Years			Long
	\$20,000		10.00 Years			Long
	\$12,500		3.00 Years			Long
	\$6,250		5.00 Years			Long
	\$7,500		5.00 Years			Long
						Long
	\$127,500		4.16 Years			Short
	\$62,095.82		5.00 Years			Long
Tariff Code	Savings Yr1	Yr1 O&M @ \$15/MWh	Payback in Years	NPV over 25 years	per 25 years	Timing
	\$8,193	\$1,002	8.32 Years	\$11,141.39	9%	Long
	\$4,421	\$518	7.67 Years	\$9,331.73	11%	Long
	\$2,583	\$262	7.23 Years	\$6,442.07	12%	Long
	\$1,544	\$296	> 12 Years	-\$9,296.55	-9%	Long
	\$298	\$42	9.13 Years	-\$119.03	6%	Long
	\$1,495	\$289	> 12 Years	-\$8,656.89	NA	Long
	\$1,153	\$156	9.79 Years	-\$682.08	6%	Long
	\$499	\$90	> 12 Years	-\$2,190.08	-3%	Medium
	\$569	\$101	> 12 Years	-\$2,990.56	-3%	Long