Alice Springs Renewables Report: 2 Jan 2023 - 31 Dec 2023

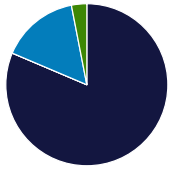
PowerWater

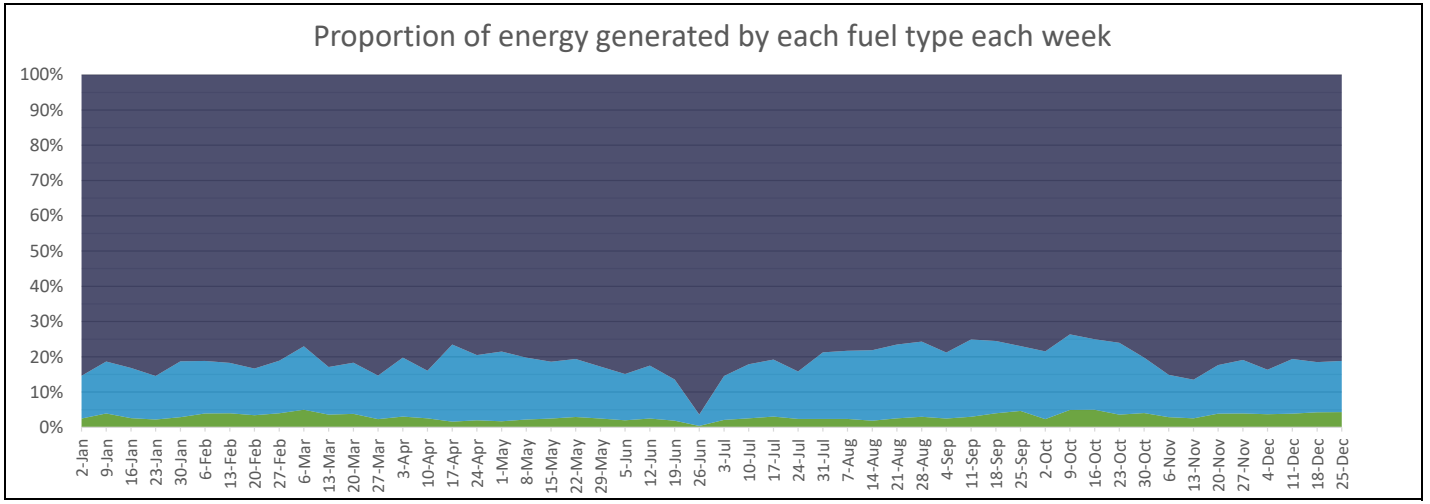
Renewables Penetration:	18.6%	Fossil Fuels:	81.4%	Other Sources*:	0.0%

Minimum Gross Demand:	14.1	MW @ 3:00, 26 Apr
Maximum Gross Demand:	52.8	MW @ 16:00, 8 Dec
Minimum Net Demand:	7.0	MW @ 13:00, 16 Apr
Maximum Net Demand:	45.7	MW @ 17:00, 8 Dec
Maximum Renewable Power:	18.9	MW @ 13:00, 9 Mar

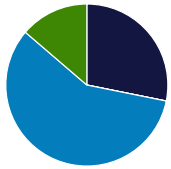
Total Overall

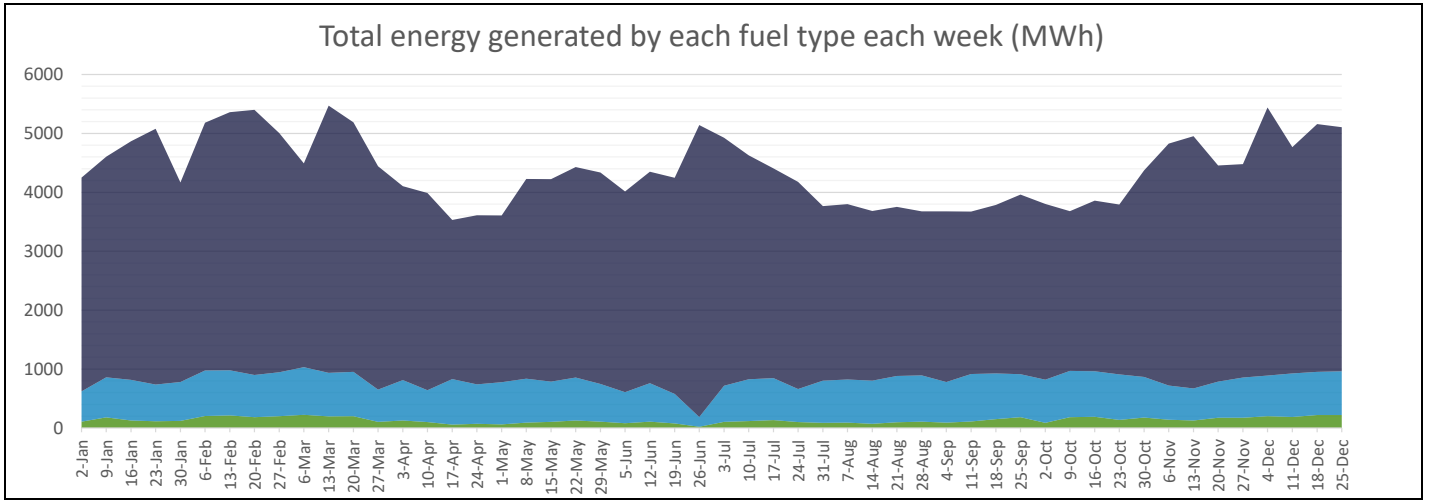
Fuel	MWh	Percent
Fossil	185,503	81.4%
Biomass	0	0.0%
Steam	0	0.0%
Distributed PV	35,452	15.6%
Utility Solar	6,967	3.1%



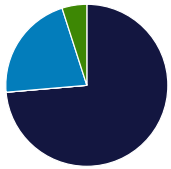


Best Hour:	71.8%	at	11:00, 22 Oct
Fuel	**MWh**	**Percent**	
Fossil	6.7	28.2%	
Biomass	0.0	0.0%	
Steam	0.0	0.0%	
Distributed PV	13.7	58.1%	
Utility Solar	3.2	13.7%	





Best Week:	26.4%	for	9 Oct - 15 Oct
Fuel	**MWh**	**Percent**	
Fossil	2,711	73.6%	
Biomass	0	0.0%	
Steam	0	0.0%	
Distributed PV	788	21.4%	
Utility Solar	182	4.9%	



* Landfill gas is methane sourced from the Shoal Bay waste facility that is burned to power a generator. This methane is constantly generated by the waste and would otherwise be released into the atmosphere. Therefore, utilising it in this way in fact decreases the emissions by destroying the methane and by offsetting the need for additional fossil fuel generation. (https://www.epa.gov/lmop/benefits-landfill-gas-energy-projects)

* Steam is created using waste heat from fossil fuel generation. The steam is then used to create low-emissions power that offsets the need for additional fossil fuel generation.

Data sources:
BTM - 3rd party estimated actuals
Other generation - PI

This report is for informational purposes only and is subject to the accuracy of the source data.