Alice Springs Renewables Report: 3 Jul 2023 - 1 Oct 2023

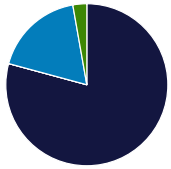
PowerWater

Renewables Penetration:	20.8%	Fossil Fuels:	79.2%	Other Sources*:	0.0%

Minimum Gross Demand:	14.4	MW @ 3:00, 18 Aug
Maximum Gross Demand:	41.9	MW @ 18:00, 3 Jul
Minimum Net Demand:	7.9	MW @ 13:00, 27 Aug
Maximum Net Demand:	41.9	MW @ 18:00, 3 Jul
Maximum Renewable Power:	18.2	MW @ 12:00, 25 Sep

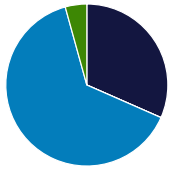
Total Overall

Fuel	MWh	Percent
Fossil	41,120	79.2%
Biomass	0	0.0%
Steam	0	0.0%
Distributed PV	9,351	18.0%
Utility Solar	1,441	2.8%



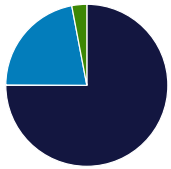
Best Hour: 68.4% at 13:00, 26 Aug

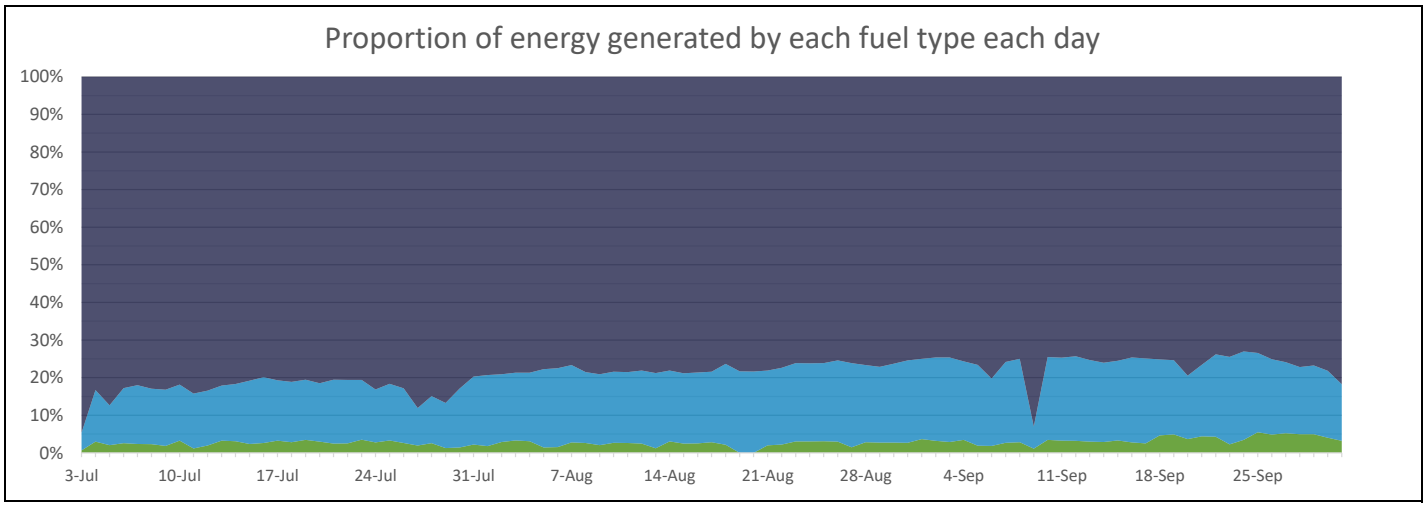
Fuel	MWh	Percent
Fossil	7.4	31.6%
Biomass	0.0	0.0%
Steam	0.0	0.0%
Distributed PV	14.9	64.1%
Utility Solar	1.0	4.3%

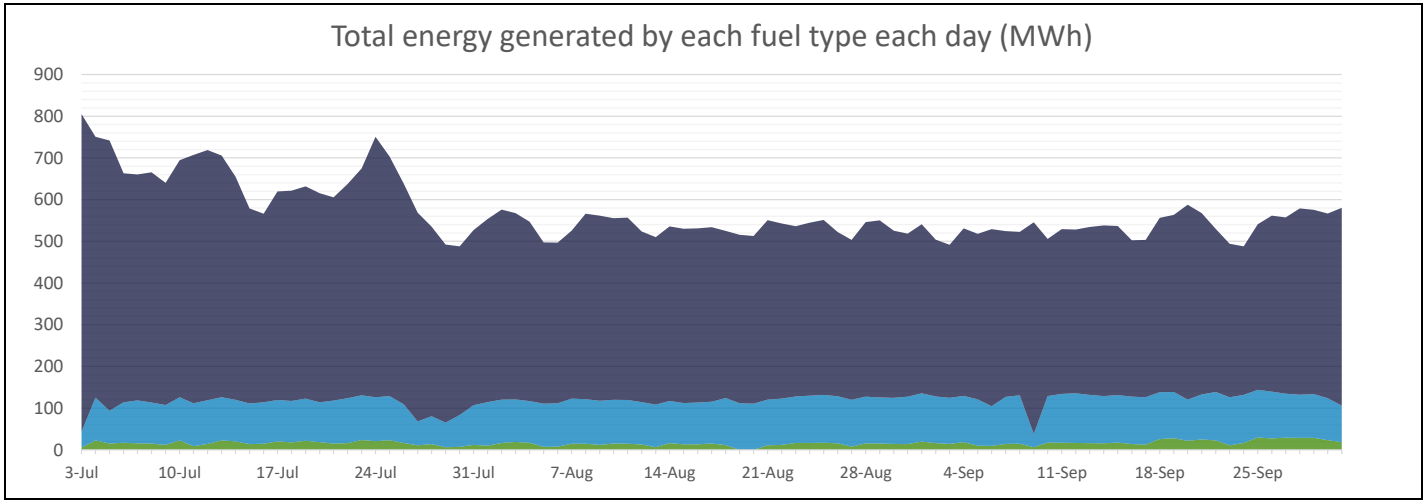


Best Week: 24.9% for 11 Sep - 17 Sep

Fuel	MWh	Percent
Fossil	2,758	75.1%
Biomass	0	0.0%
Steam	0	0.0%
Distributed PV	806	21.9%
Utility Solar	110	3.0%







* 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.