

# Alice Springs Renewables Report: 3 Apr 2023 - 2 Jul 2023

Renewables Penetration:

17.0%

Fossil Fuels:

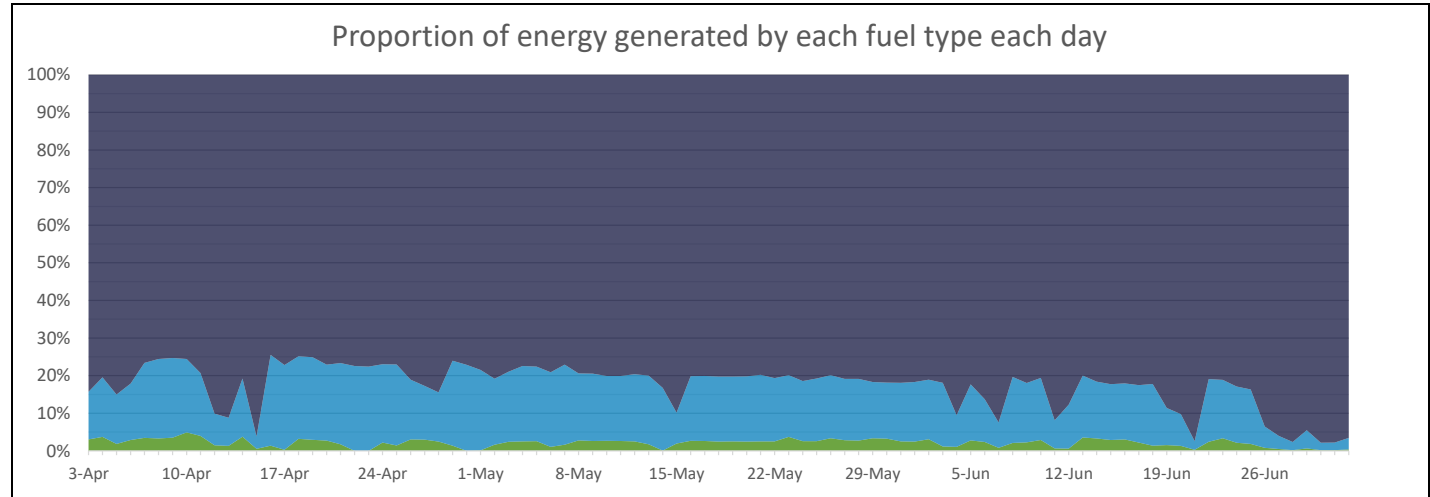
83.0%

Other Sources\*:

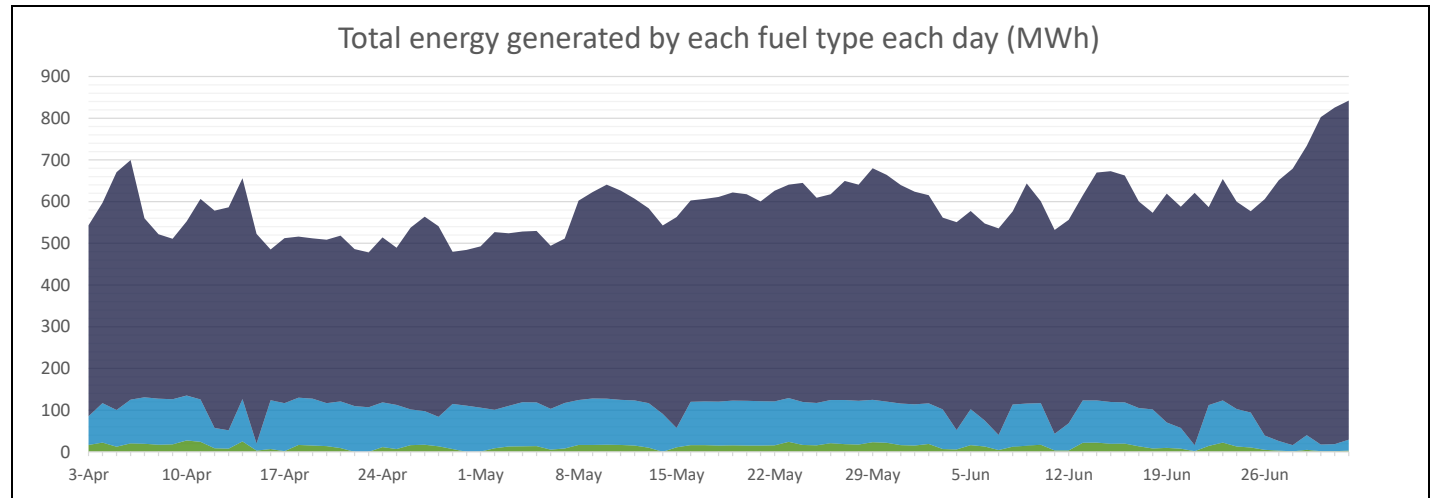
0.0%

Minimum Gross Demand:	14.1	MW @ 3:00, 26 Apr
Maximum Gross Demand:	44.7	MW @ 18:00, 2 Jul
Minimum Net Demand:	7.0	MW @ 13:00, 16 Apr
Maximum Net Demand:	44.7	MW @ 18:00, 2 Jul
Maximum Renewable Power:	17.3	MW @ 12:00, 10 Apr

Total Overall		
Fuel	MWh	Percent
Fossil	44,655	83.0%
Biomass	0	0.0%
Steam	0	0.0%
Distributed PV	8,011	14.9%
Utility Solar	1,139	2.1%



Best Hour:		
68.9%	at 13:00, 16 Apr	
Fuel	MWh	Percent
Fossil	7.0	31.1%
Biomass	0.0	0.0%
Steam	0.0	0.0%
Distributed PV	15.5	68.9%
Utility Solar	0.0	0.0%



Best Week:		
23.5%	for 17 Apr - 23 Apr	
Fuel	MWh	Percent
Fossil	2,703	76.5%
Biomass	0	0.0%
Steam	0	0.0%
Distributed PV	773	21.9%
Utility Solar	56	1.6%

\* 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>)

**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.

\* 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.