

# Alice Springs Renewables Report: 30 Sep 2024 - 29 Dec 2024

Renewables Penetration:

17.4%

Fossil Fuels:

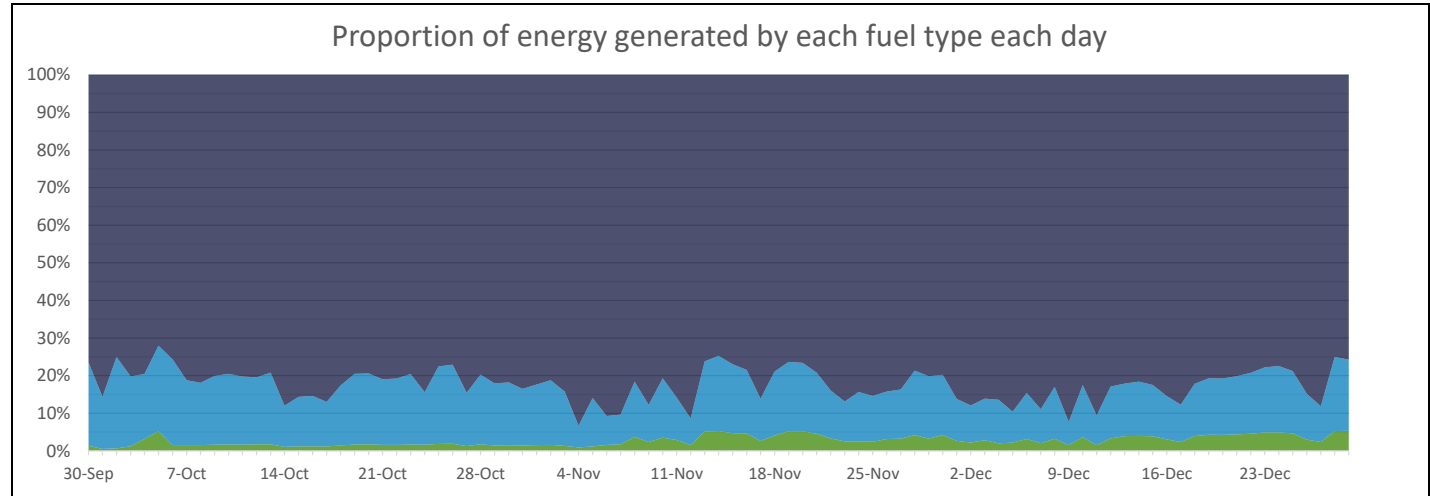
82.6%

Other Sources\*:

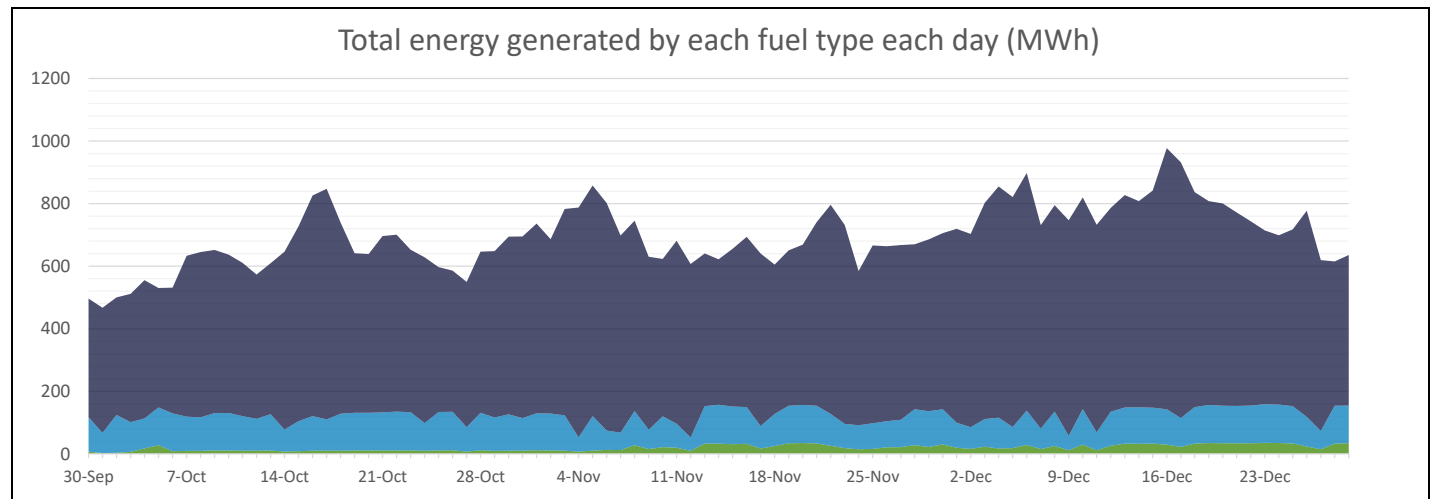
0.0%

Minimum Gross Demand:	14.2	MW @ 3:00, 1 Oct
Maximum Gross Demand:	58.2	MW @ 15:00, 16 Dec
Minimum Net Demand:	8.6	MW @ 11:00, 2 Oct
Maximum Net Demand:	49.0	MW @ 17:00, 16 Dec
Maximum Renewable Power:	19.7	MW @ 12:00, 14 Nov

Total Overall		
Fuel	MWh	Percent
Fossil	52,365	82.6%
Biomass	0	0.0%
Steam	0	0.0%
Distributed PV	9,283	14.6%
Utility Solar	1,731	2.7%



Best Hour:		
68.9%	at	11:00, 5 Oct
Fuel	MWh	Percent
Fossil	8.1	31.1%
Biomass	0.0	0.0%
Steam	0.0	0.0%
Distributed PV	15.2	58.0%
Utility Solar	2.8	10.8%



Best Week:		
22.3%	for	30 Sep - 6 Oct
Fuel	MWh	Percent
Fossil	2,791	77.7%
Biomass	0	0.0%
Steam	0	0.0%
Distributed PV	729	20.3%
Utility Solar	72	2.0%

\* 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>)

**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.