

Alice Springs Renewables Report: 1 Jan 2024 - 29 Dec 2024

Renewables Penetration:

17.1%

Fossil Fuels:

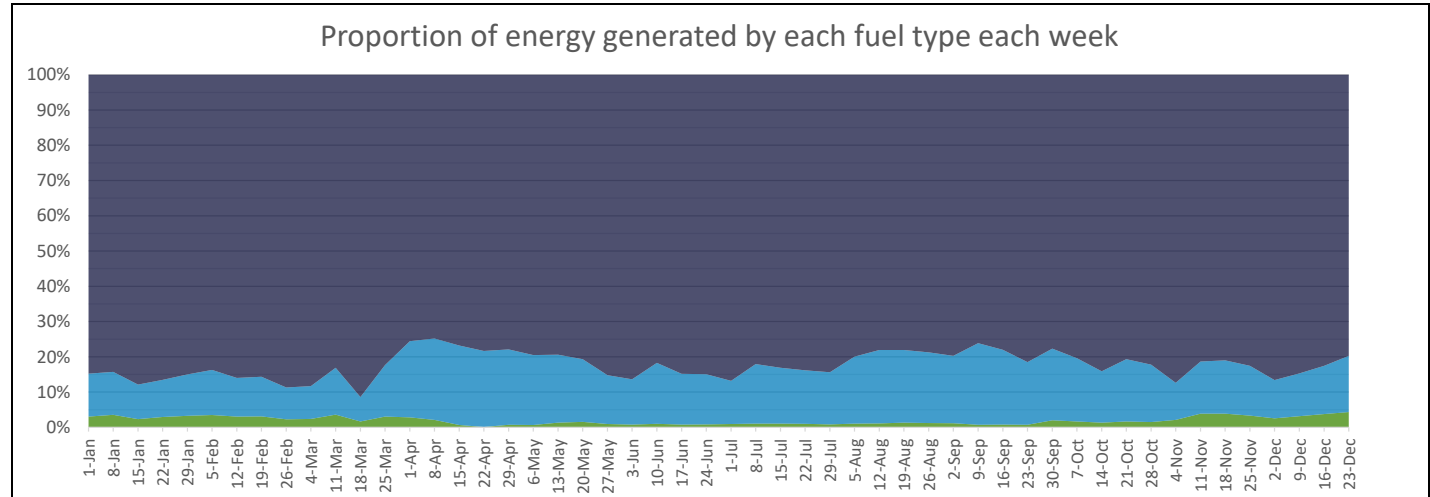
82.9%

Other Sources*:

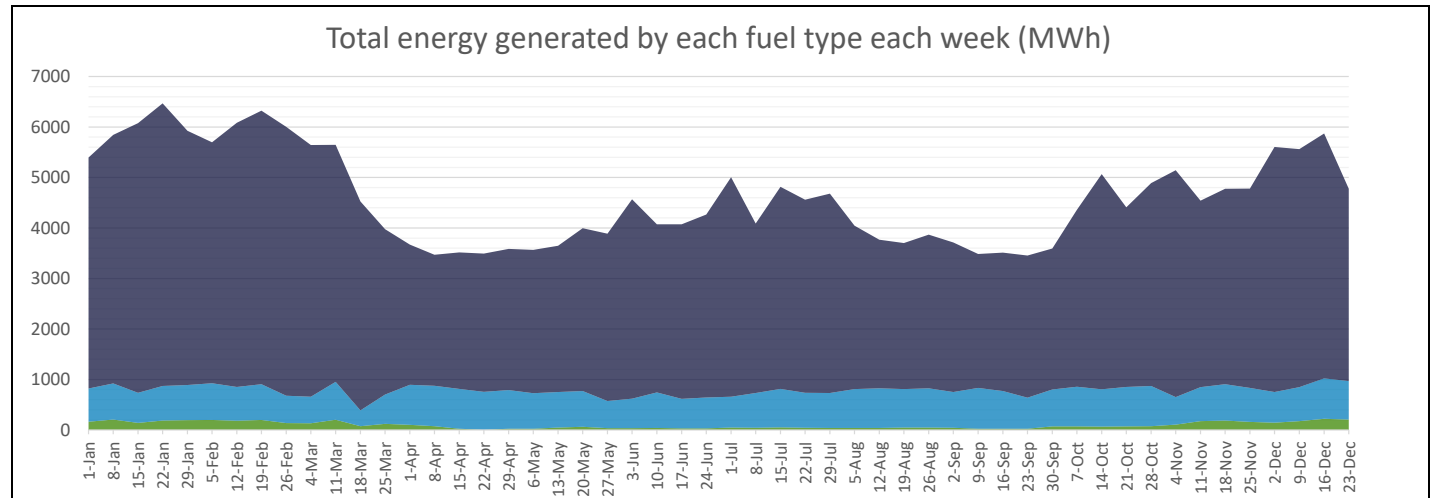
0.0%

Minimum Gross Demand:	13.7	MW @ 3:00, 8 Apr
Maximum Gross Demand:	60.0	MW @ 13:00, 24 Jan
Minimum Net Demand:	6.6	MW @ 12:00, 14 Sep
Maximum Net Demand:	53.3	MW @ 17:00, 24 Jan
Maximum Renewable Power:	19.7	MW @ 12:00, 14 Nov

Total Overall		
Fuel	MWh	Percent
Fossil	198,653	82.9%
Biomass	0	0.0%
Steam	0	0.0%
Distributed PV	35,909	15.0%
Utility Solar	4,938	2.1%



Best Hour:		
71.1%	at	12:00, 14 Sep
Fuel	MWh	Percent
Fossil	6.6	28.9%
Biomass	0.0	0.0%
Steam	0.0	0.0%
Distributed PV	16.2	71.1%
Utility Solar	0.0	0.0%



Best Week:		
25.2%	for	8 Apr - 14 Apr
Fuel	MWh	Percent
Fossil	2,596	74.8%
Biomass	0	0.0%
Steam	0	0.0%
Distributed PV	801	23.1%
Utility Solar	74	2.1%

* 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.