Alice Springs Renewables Report: 1 Jan 2024 - 31 Mar 2024

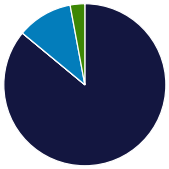
PowerWater

Renewables Penetration:	14.0%	Fossil Fuels:	86.0%	Other Sources*:	0.0%

Minimum Gross Demand:	15.5	MW @ 4:00, 29 Mar
Maximum Gross Demand:	60.0	MW @ 13:00, 24 Jan
Minimum Net Demand:	12.4	MW @ 11:00, 29 Mar
Maximum Net Demand:	53.3	MW @ 17:00, 24 Jan
Maximum Renewable Power:	18.1	MW @ 13:00, 16 Feb

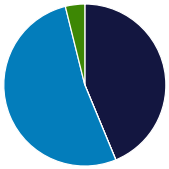
Total Overall

Fuel	MWh	Percent
Fossil	63,303	86.0%
Biomass	0	0.0%
Steam	0	0.0%
Distributed PV	8,161	11.1%
Utility Solar	2,143	2.9%



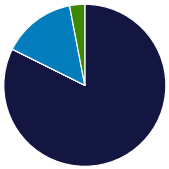
Best Hour: 56.2% at 11:00, 29 Mar

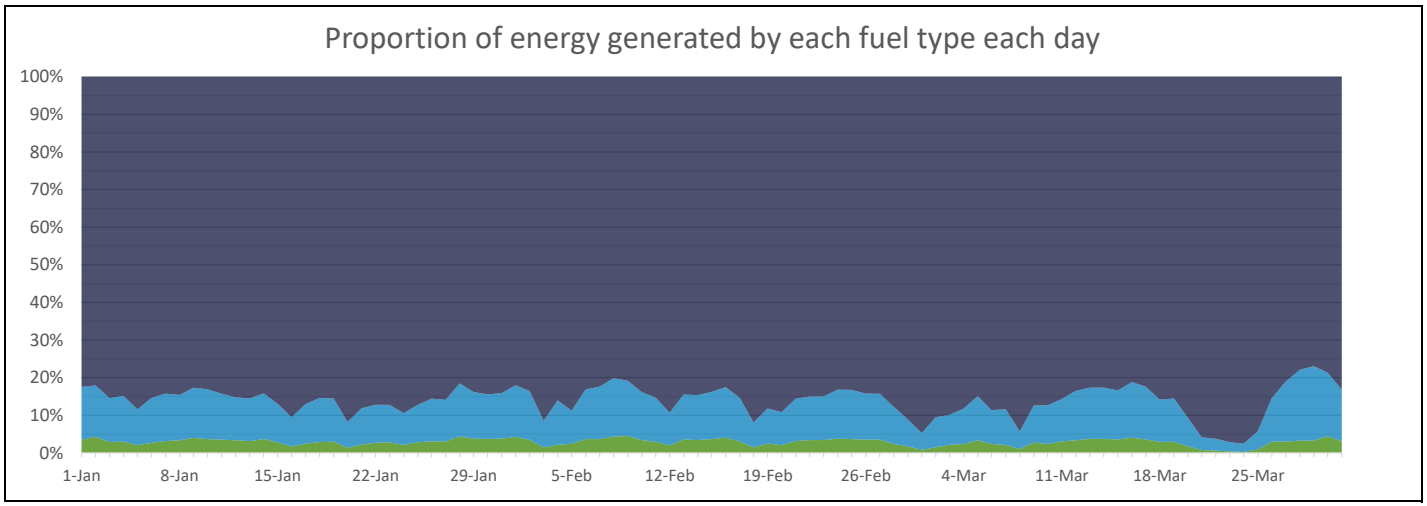
Fuel	MWh	Percent
Fossil	11.4	43.8%
Biomass	0.0	0.0%
Steam	0.0	0.0%
Distributed PV	13.6	52.4%
Utility Solar	1.0	3.9%

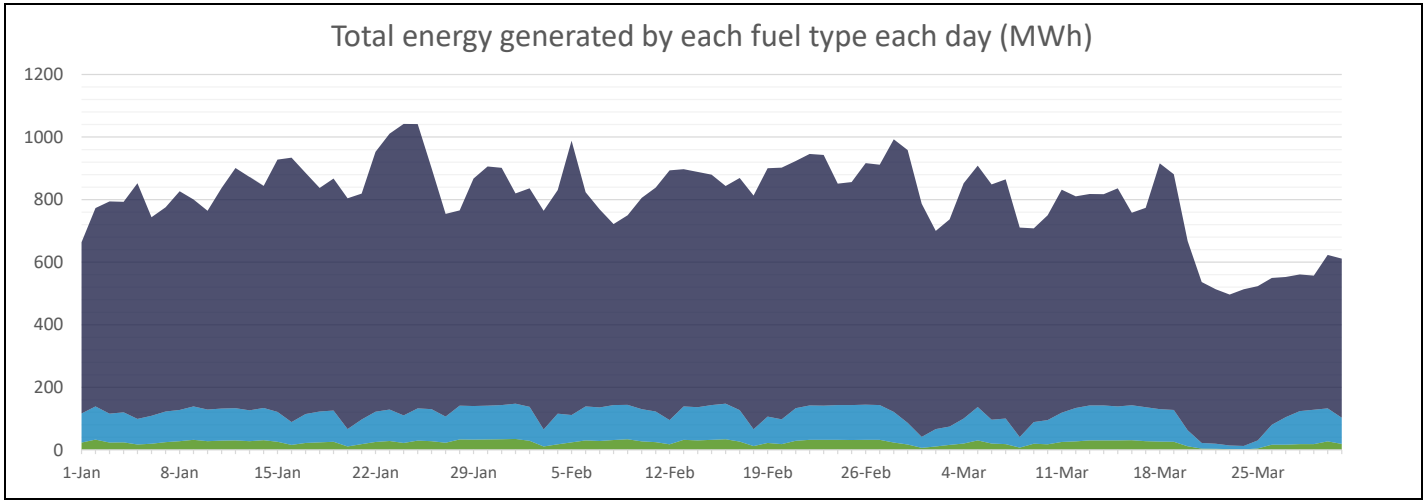


Best Week: 17.6% for 25 Mar - 31 Mar

Fuel	MWh	Percent
Fossil	3,276	82.4%
Biomass	0	0.0%
Steam	0	0.0%
Distributed PV	582	14.6%
Utility Solar	120	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)

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.