

Northern Territory Renewables Report: 3 Jul 2023 - 1 Oct 2023

Renewables Penetration:

16.3%

Fossil Fuels:

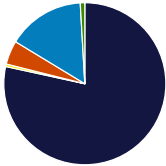
78.4%

Other Sources*:

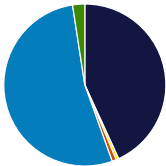
5.3%

Minimum Gross Demand:	113.3	MW @ 3:00, 26 Jul
Maximum Gross Demand:	310.2	MW @ 16:00, 22 Sep
Minimum Net Demand:	94.9	MW @ 12:00, 25 Jul
Maximum Net Demand:	258.7	MW @ 18:00, 28 Sep
Maximum Renewable Power:	118.7	MW @ 12:00, 22 Sep

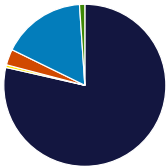
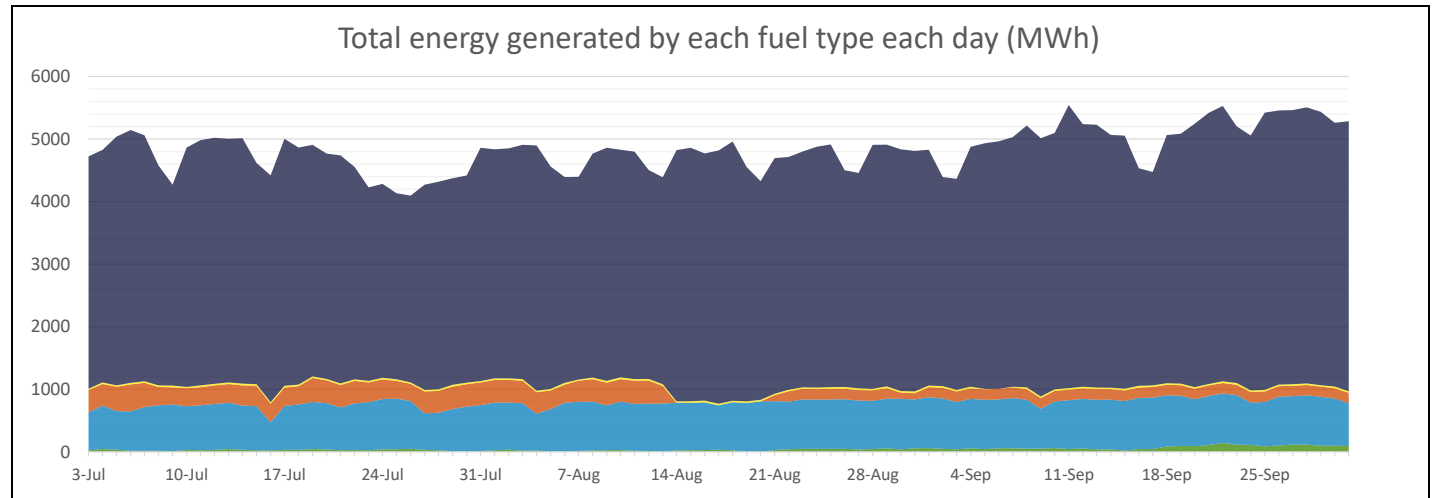
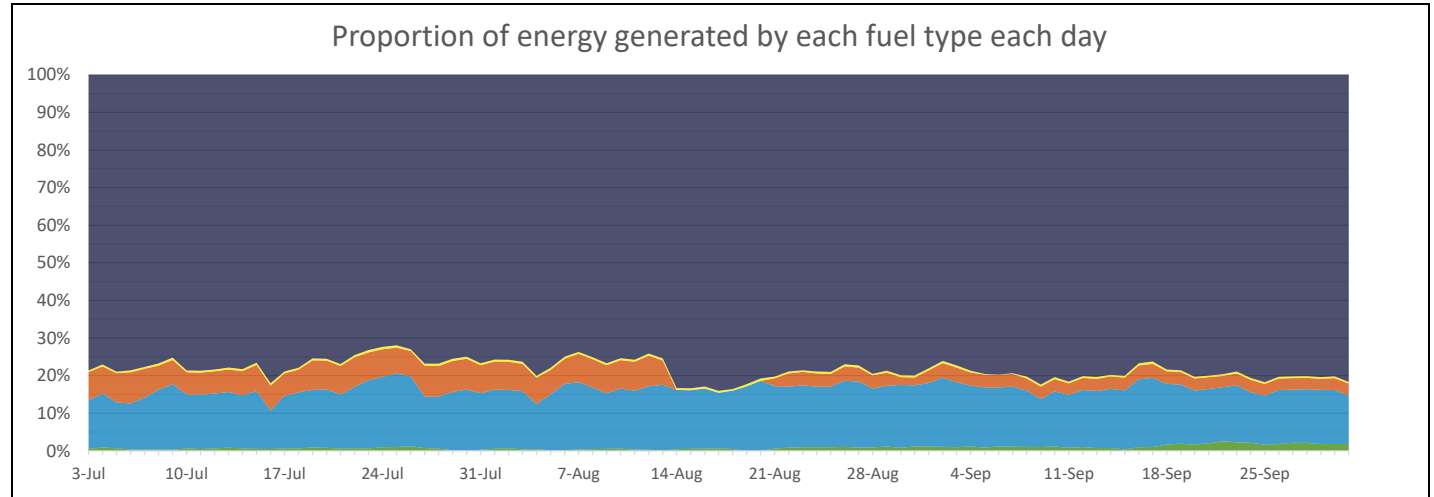
Total Overall		
Fuel	MWh	Percent
Fossil	345,209	78.4%
Biomass	2,216	0.5%
Steam	20,937	4.8%
Distributed PV	67,875	15.4%
Utility Solar	3,986	0.9%



Best Hour:		
55.5%	at	12:00, 25 Jul
Fuel	MWh	Percent
Fossil	87.2	43.2%
Biomass	1.1	0.5%
Steam	1.7	0.8%
Distributed PV	107.3	53.1%
Utility Solar	4.9	2.4%



Best Week:		
17.8%	for	28 Aug - 3 Sep
Fuel	MWh	Percent
Fossil	25,962	78.5%
Biomass	174	0.5%
Steam	1,044	3.2%
Distributed PV	5,525	16.7%
Utility Solar	348	1.1%

* 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>)

* 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.