

Northern Territory Renewables Report: 1 Jan 2024 - 29 Dec 2024

Renewables Penetration:

15.3%

Fossil Fuels:

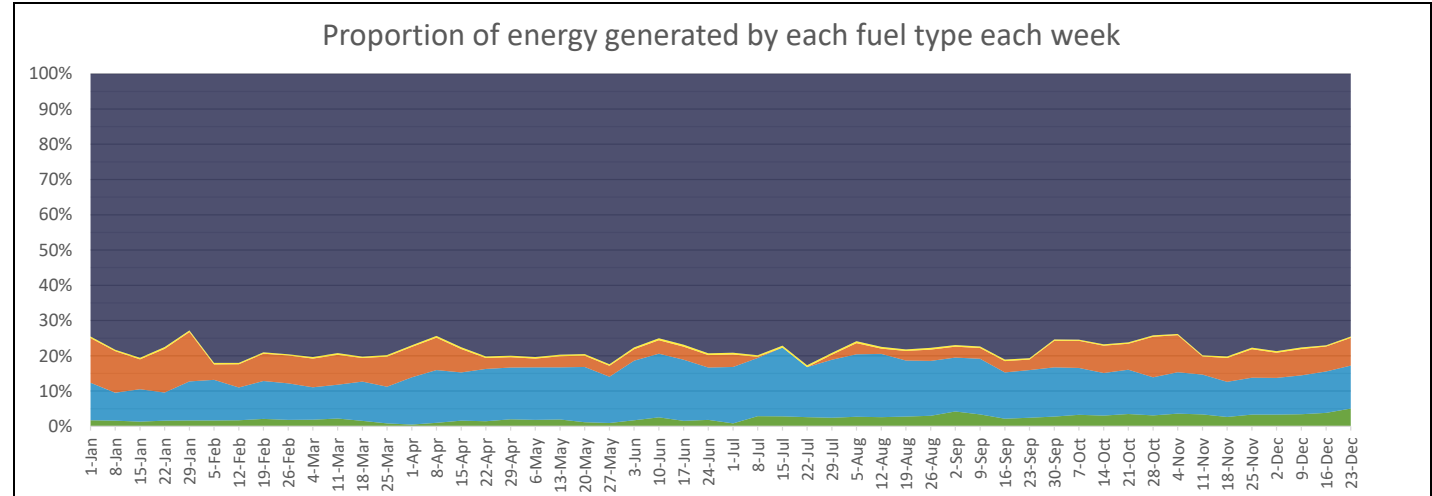
78.2%

Other Sources*:

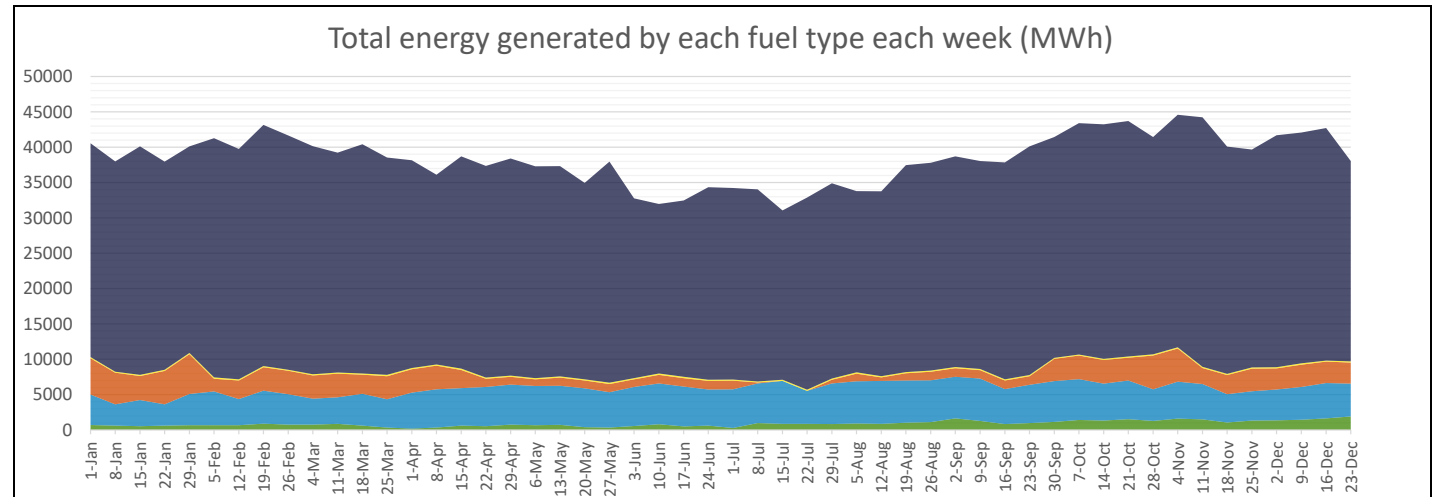
6.5%

Minimum Gross Demand:	115.9	MW @ 3:00, 20 Jul
Maximum Gross Demand:	379.6	MW @ 13:00, 17 Dec
Minimum Net Demand:	78.1	MW @ 12:00, 8 Jun
Maximum Net Demand:	325.3	MW @ 18:00, 16 Dec
Maximum Renewable Power:	151.5	MW @ 13:00, 2 Sep

Total Overall		
Fuel	MWh	Percent
Fossil	1,563,193	78.2%
Biomass	8,786	0.4%
Steam	120,838	6.0%
Distributed PV	259,920	13.0%
Utility Solar	46,871	2.3%



Best Hour:		
63.7%	at	12:00, 19 Jul
Fuel	MWh	Percent
Fossil	77.4	36.1%
Biomass	0.6	0.3%
Steam	0.0	0.0%
Distributed PV	118.8	55.3%
Utility Solar	17.8	8.3%



Best Week:		
22.3%	for	15 Jul - 21 Jul
Fuel	MWh	Percent
Fossil	23,946	77.1%
Biomass	166	0.5%
Steam	4	0.0%
Distributed PV	6,055	19.5%
Utility Solar	876	2.8%

* 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.