Tennant Creek Renewables Report: 7 Apr 2025 - 6 Jul 2025

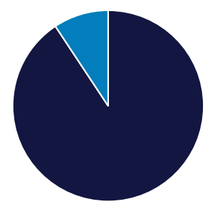
PowerWater NTESMO

Renewables Penetration:	9.3%	Fossil Fuels:	90.7%	Other Sources*:	0.0%

Minimum Gross Demand:	1.9	MW @ 4:00, 23 Apr
Maximum Gross Demand:	5.3	MW @ 15:00, 14 Apr
Minimum Net Demand:	1.7	MW @ 13:00, 18 May
Maximum Net Demand:	4.6	MW @ 16:00, 14 Apr
Maximum Renewable Power:	1.0	MW @ 12:00, 23 Apr

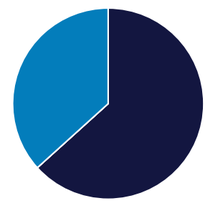
Total Overall

Fuel	MWh	Percent
Fossil	5,773	90.7%
Biomass	0	0.0%
Steam	0	0.0%
Distributed PV	593	9.3%
Utility Solar	0	0.0%



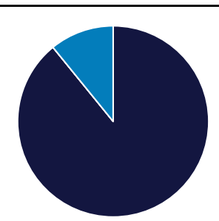
Best Hour: 36.7% at 13:00, 18 May

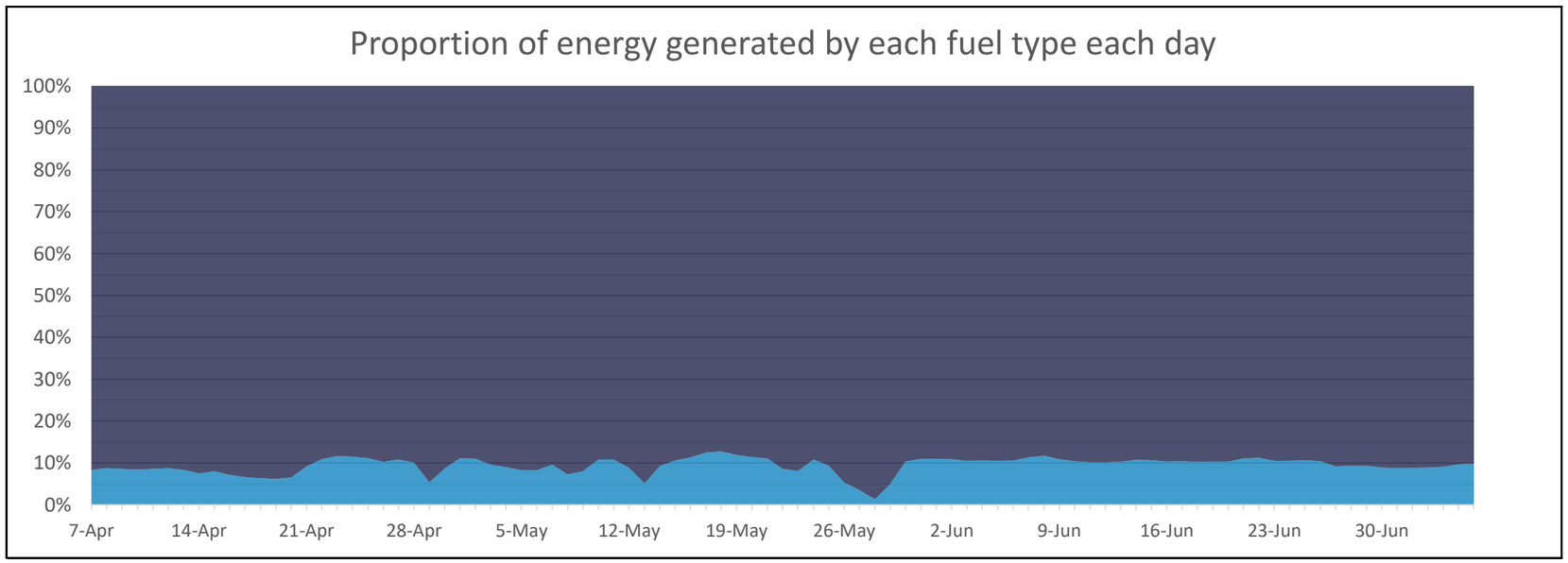
Fuel	MWh	Percent
Fossil	1.7	63.3%
Biomass	0.0	0.0%
Steam	0.0	0.0%
Distributed PV	1.0	36.7%
Utility Solar	0.0	0.0%

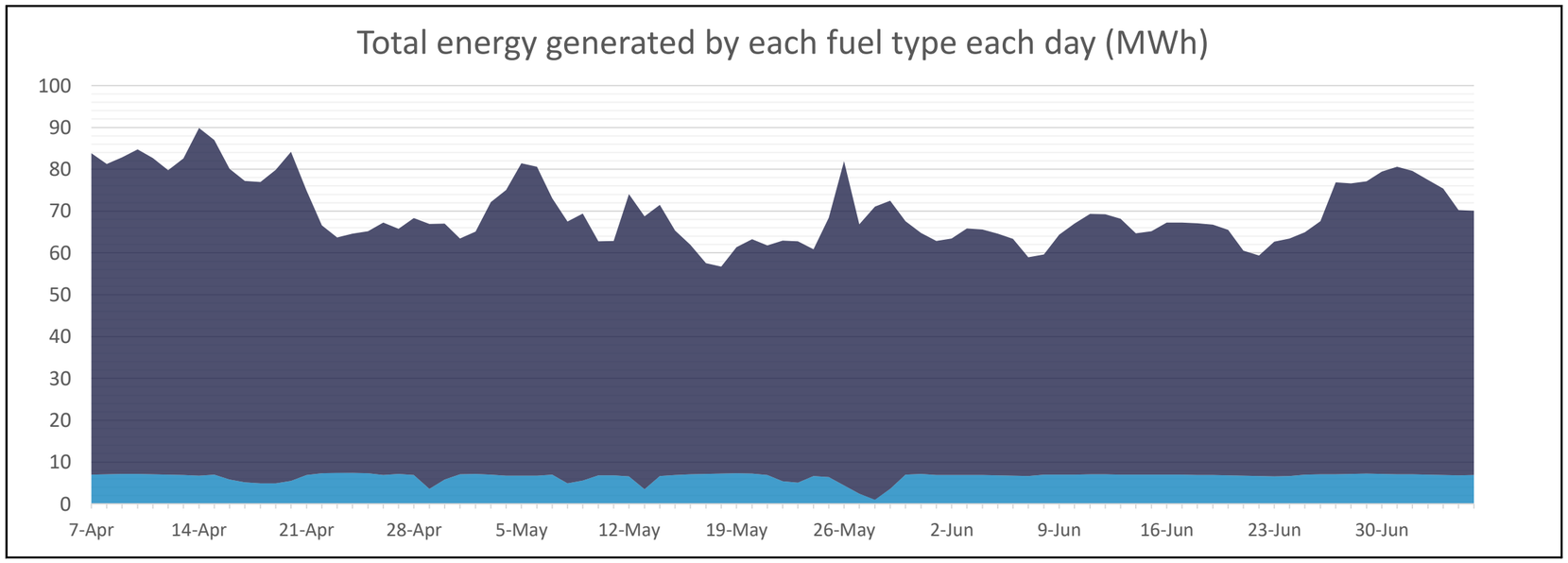


Best Week: 10.9% for 2 Jun - 8 Jun

Fuel	MWh	Percent
Fossil	393	89.1%
Biomass	0	0.0%
Steam	0	0.0%
Distributed PV	48	10.9%
Utility Solar	0	0.0%







* 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)

* 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:
Fossil, Biomass, Steam, Utility Solar: PWC PI Historian

Distributed PV: 3rd party estimated actuals