DKIS Renewables Report: 29 Sep 2025 - 28 Dec 2025

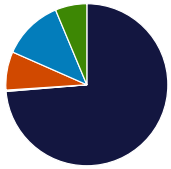
PowerWater NTESMO

Renewables Penetration:	18.4%	Fossil Fuels:	73.7%	Other Sources*:	7.9%

Minimum Gross Demand:	100.4	MW @ 4:00, 23 Nov
Maximum Gross Demand:	343.5	MW @ 15:00, 28 Oct
Minimum Net Demand:	100.4	MW @ 4:00, 23 Nov
Maximum Net Demand:	290.5	MW @ 17:00, 28 Oct
Maximum Renewable Power:	163.5	MW @ 13:00, 4 Oct

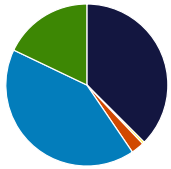
Total Overall

Fuel	MWh	Percent
Fossil	355,157	73.7%
Biomass	1,245	0.3%
Steam	36,958	7.7%
Distributed PV	58,308	12.1%
Utility Solar	30,358	6.3%



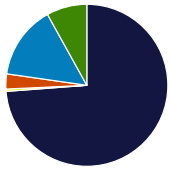
Best Hour: 59.5% at 11:00, 5 Oct

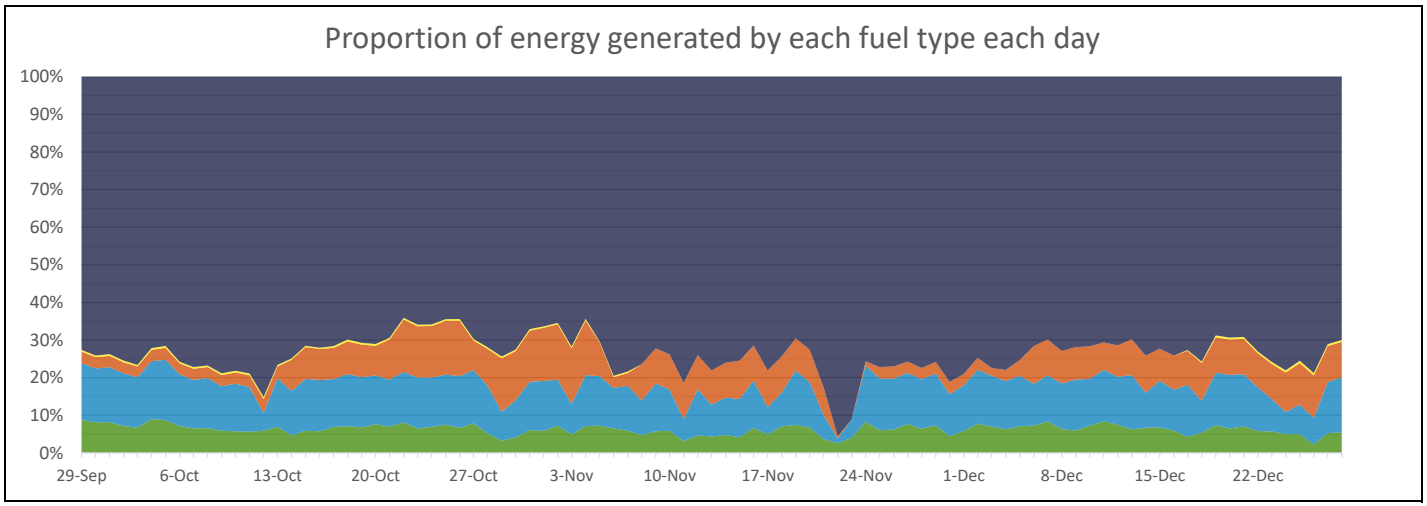
Fuel	MWh	Percent
Fossil	94.1	37.5%
Biomass	1.1	0.4%
Steam	6.5	2.6%
Distributed PV	104.4	41.6%
Utility Solar	45.0	17.9%

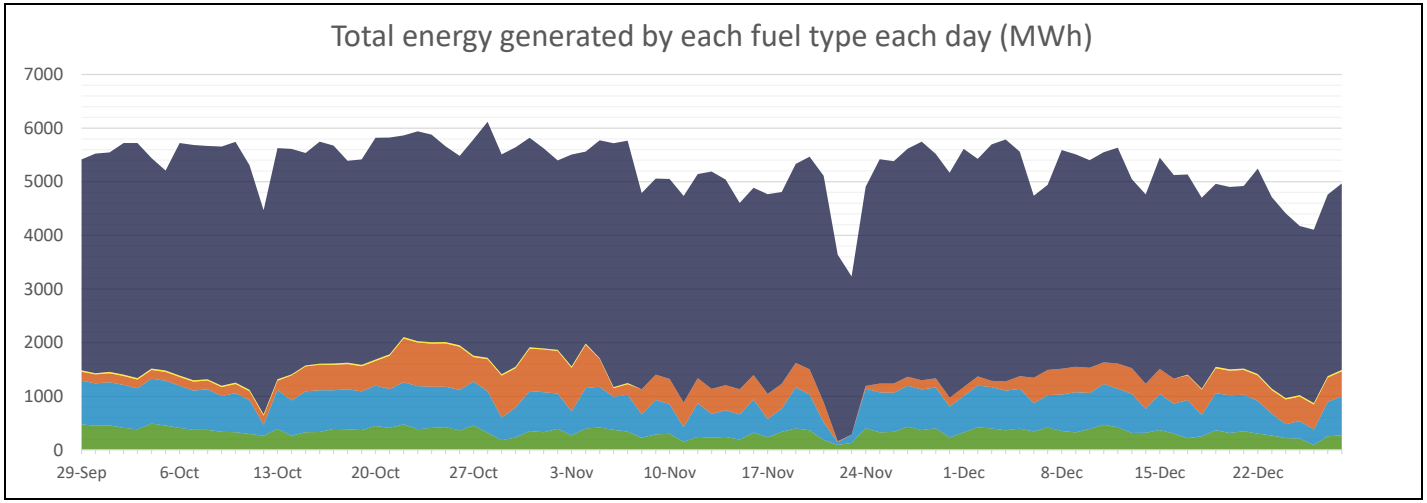


Best Week: 22.7% for 29 Sep - 5 Oct

Fuel	MWh	Percent
Fossil	28,473	73.8%
Biomass	176	0.5%
Steam	1,162	3.0%
Distributed PV	5,660	14.7%
Utility Solar	3,112	8.1%







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

Distributed PV: 3rd party estimated actuals