DKIS Renewables Report: 30 Dec 2024 - 28 Dec 2025

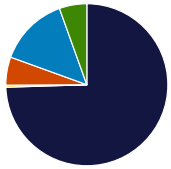
PowerWater NTESMO

Renewables Penetration:	19.5%	Fossil Fuels:	74.5%	Other Sources*:	6.0%

Minimum Gross Demand:	100.4	MW @ 4:00, 23 Nov
Maximum Gross Demand:	343.5	MW @ 15:00, 28 Oct
Minimum Net Demand:	68.7	MW @ 12:00, 3 Aug
Maximum Net Demand:	290.5	MW @ 17:00, 28 Oct
Maximum Renewable Power:	164.9	MW @ 12:00, 24 Sep

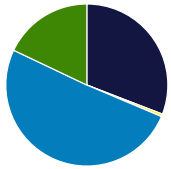
Total Overall

Fuel	MWh	Percent
Fossil	1,312,910	74.5%
Biomass	7,060	0.4%
Steam	98,910	5.6%
Distributed PV	246,464	14.0%
Utility Solar	96,620	5.5%



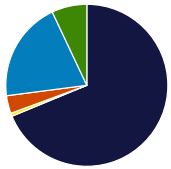
Best Hour: 68.6% at 12:00, 21 Jun

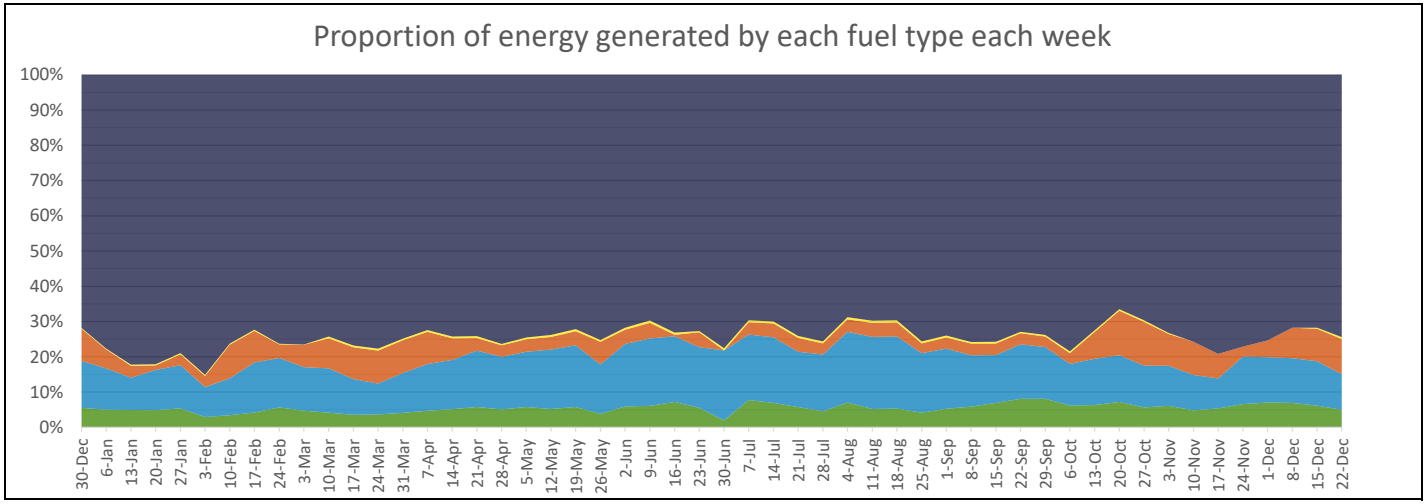
Fuel	MWh	Percent
Fossil	63.0	30.8%
Biomass	1.1	0.5%
Steam	0.0	0.0%
Distributed PV	103.5	50.7%
Utility Solar	36.6	17.9%

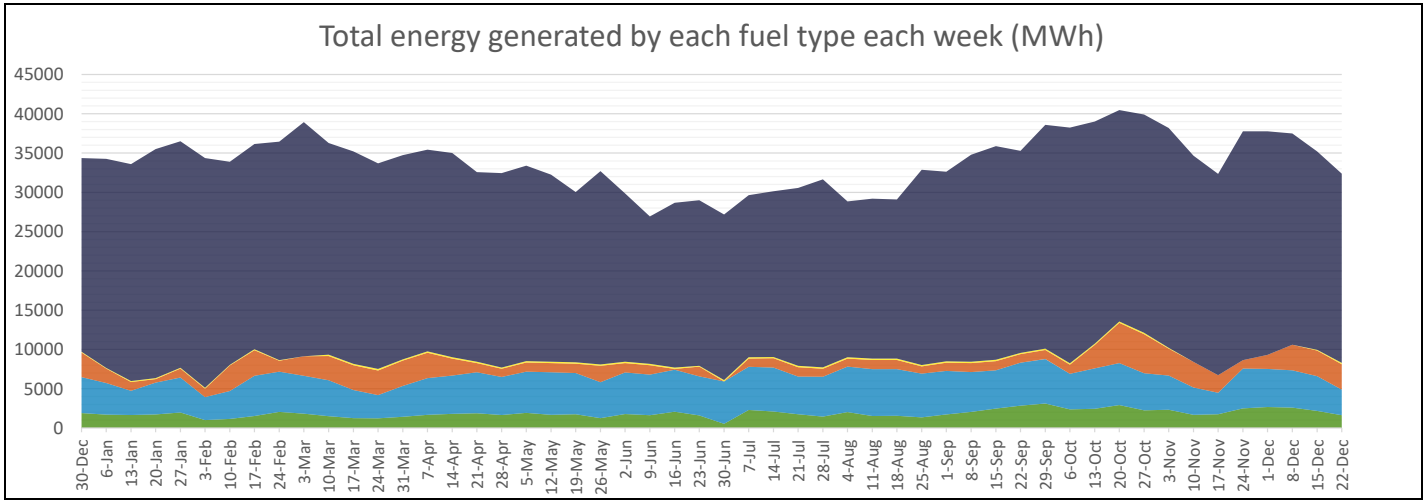


Best Week: 27.1% for 4 Aug - 10 Aug

Fuel	MWh	Percent
Fossil	19,834	68.8%
Biomass	179	0.6%
Steam	1,024	3.5%
Distributed PV	5,781	20.0%
Utility Solar	2,024	7.0%







* 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