DKIS Renewables Report: 2 Jan 2023 - 31 Dec 2023

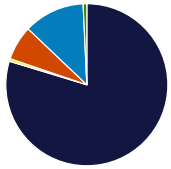
PowerWater

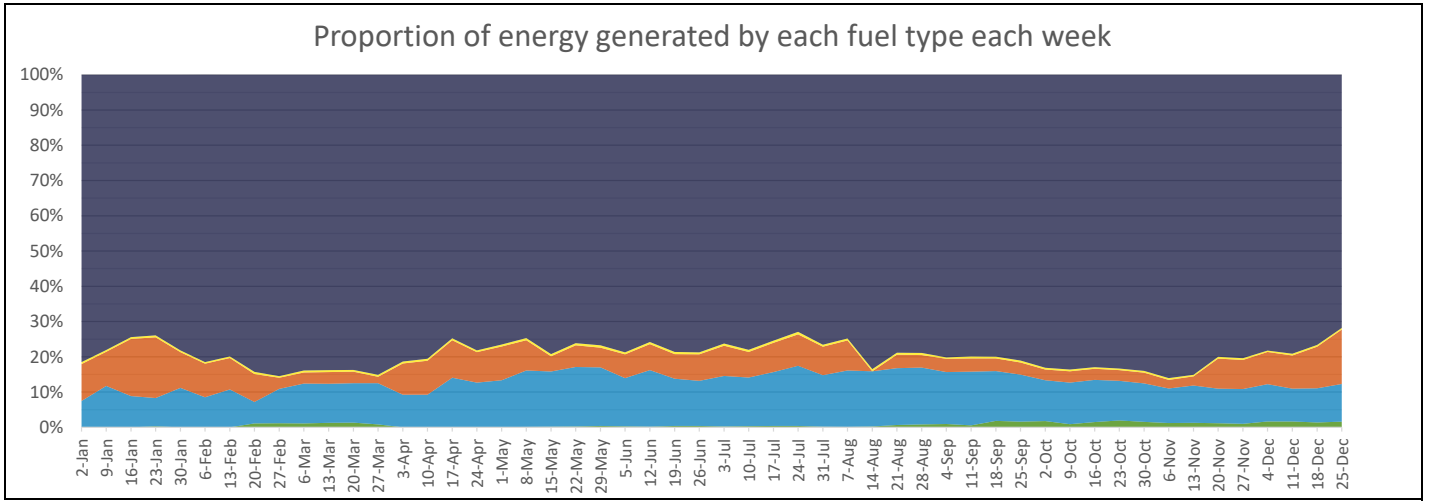
Renewables Penetration:	12.9%	Fossil Fuels:	79.7%	Other Sources*:	7.4%

Minimum Gross Demand:	92.7	MW @ 3:00, 26 Jul
Maximum Gross Demand:	323.5	MW @ 16:00, 5 Dec
Minimum Net Demand:	66.2	MW @ 12:00, 21 May
Maximum Net Demand:	279.3	MW @ 16:00, 5 Dec
Maximum Renewable Power:	102.5	MW @ 12:00, 23 Sep

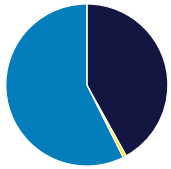
Total Overall

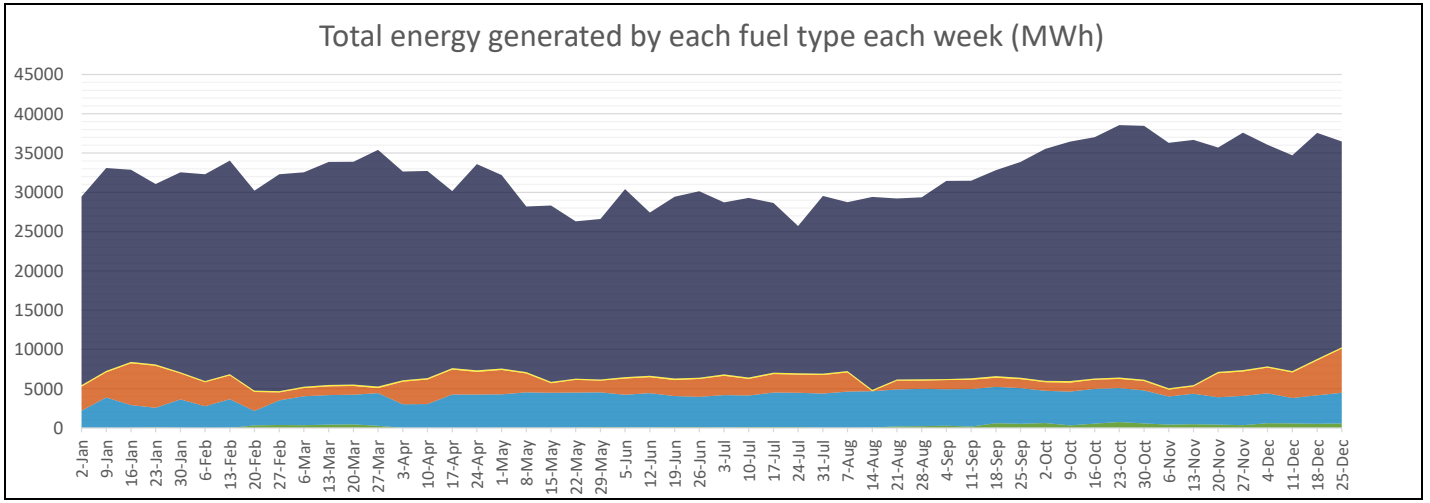
Fuel	MWh	Percent
Fossil	1,336,529	79.7%
Biomass	8,853	0.5%
Steam	115,338	6.9%
Distributed PV	204,052	12.2%
Utility Solar	12,325	0.7%



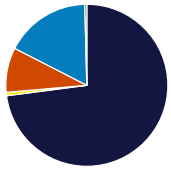


Best Hour:	57.4%	at	12:00, 21 May
Fuel	**MWh**	**Percent**	
Fossil	65.1	41.9%	
Biomass	1.1	0.7%	
Steam	0.0	0.0%	
Distributed PV	89.2	57.4%	
Utility Solar	0.0	0.0%	





Best Week:	17.5%	for	24 Jul - 30 Jul
Fuel	**MWh**	**Percent**	
Fossil	18,758	72.9%	
Biomass	175	0.7%	
Steam	2,294	8.9%	
Distributed PV	4,386	17.1%	
Utility Solar	105	0.4%	



* 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.