

# DKIS Renewables Report: 30 Sep 2024 - 29 Dec 2024

Renewables Penetration:

14.8%

Fossil Fuels:

75.9%

Other Sources\*:

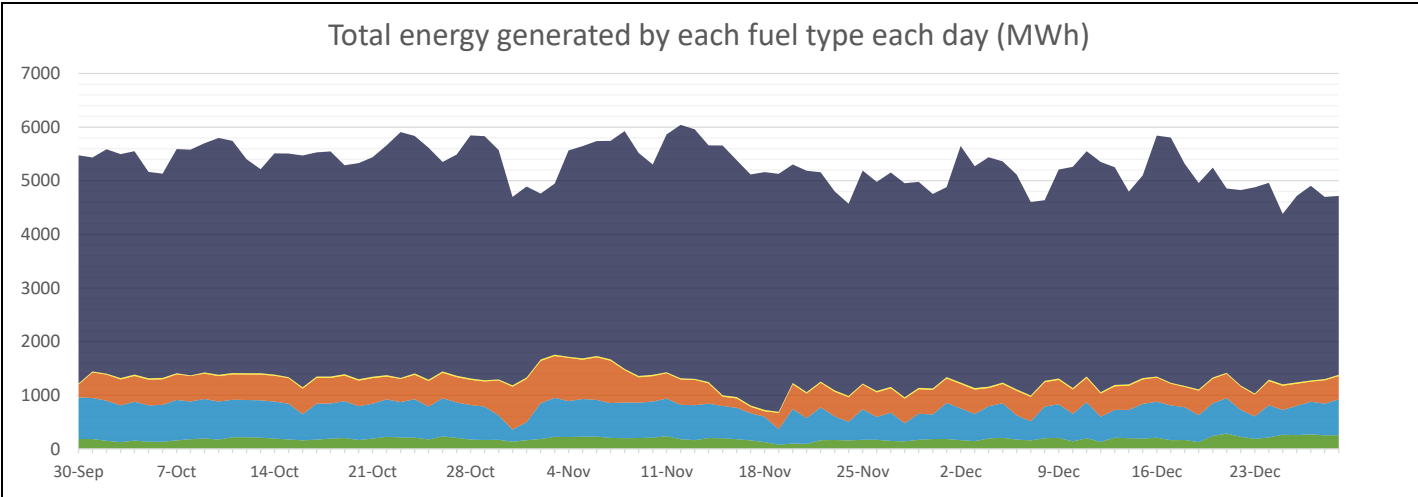
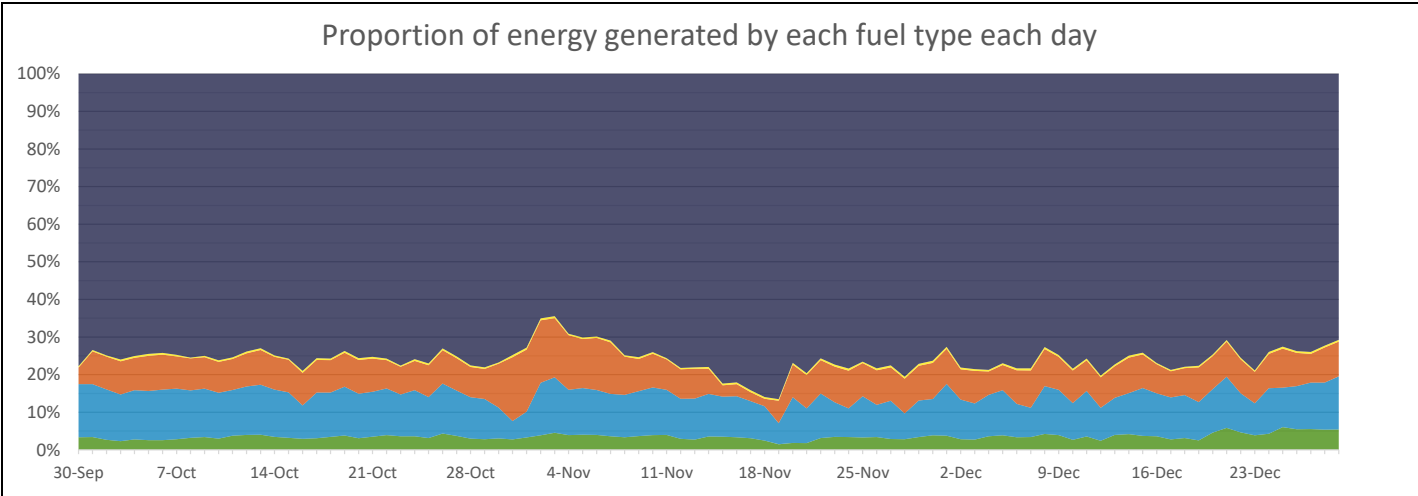
9.3%

Minimum Gross Demand:	139.8	MW @ 4:00, 25 Dec
Maximum Gross Demand:	332.4	MW @ 15:00, 13 Nov
Minimum Net Demand:	138.2	MW @ 10:00, 21 Dec
Maximum Net Demand:	286.3	MW @ 18:00, 11 Nov
Maximum Renewable Power:	125.8	MW @ 13:00, 21 Dec

Total Overall		
Fuel	MWh	Percent
Fossil	366,673	75.9%
Biomass	2,147	0.4%
Steam	42,795	8.9%
Distributed PV	54,501	11.3%
Utility Solar	16,802	3.5%

Best Hour:		
49.5%	at	12:00, 21 Dec
Fuel	MWh	Percent
Fossil	104.1	42.5%
Biomass	0.9	0.3%
Steam	18.8	7.7%
Distributed PV	91.7	37.4%
Utility Solar	29.5	12.1%

Best Week:		
16.8%	for	23 Dec - 29 Dec
Fuel	MWh	Percent
Fossil	24,537	73.8%
Biomass	161	0.5%
Steam	2,980	9.0%
Distributed PV	3,878	11.7%
Utility Solar	1,707	5.1%



\* 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:**  
 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.