

DKIS Renewables Report: 1 Apr 2024 - 30 Jun 2024

Renewables Penetration:

16.3%

Fossil Fuels:

78.2%

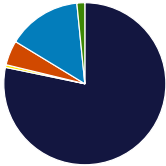
Other Sources*:

5.5%

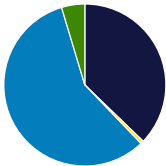
Minimum Gross Demand:	95.8	MW @ 4:00, 9 Jun
Maximum Gross Demand:	300.1	MW @ 15:00, 26 Apr
Minimum Net Demand:	66.2	MW @ 12:00, 8 Jun
Maximum Net Demand:	261.3	MW @ 18:00, 17 Apr
Maximum Renewable Power:	115.2	MW @ 13:00, 14 Jun

Total Overall

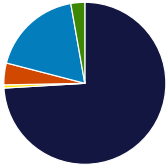
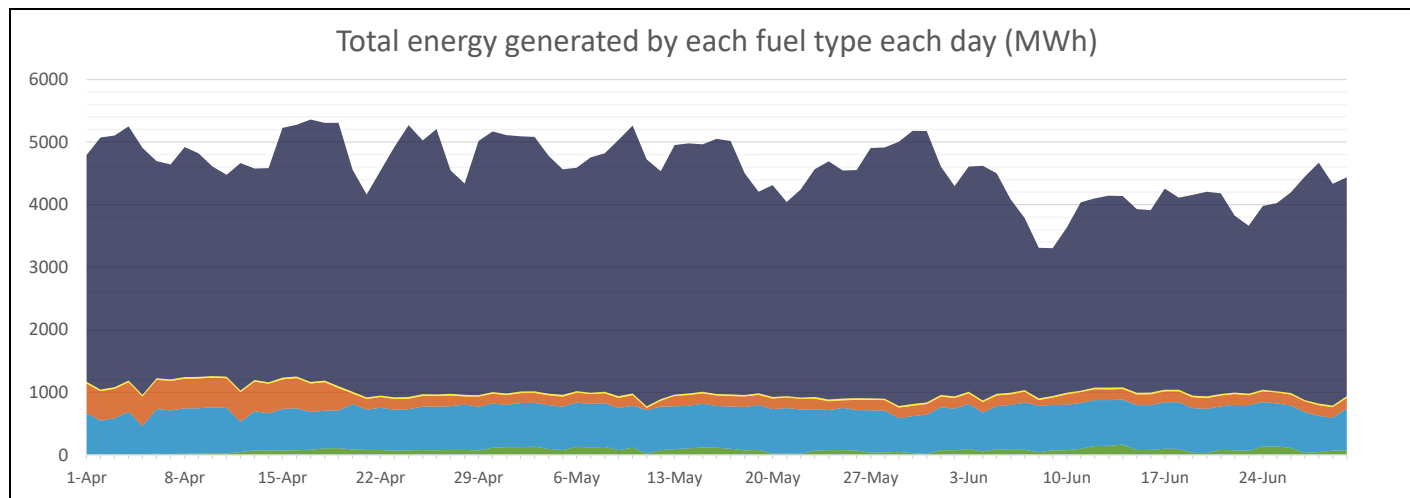
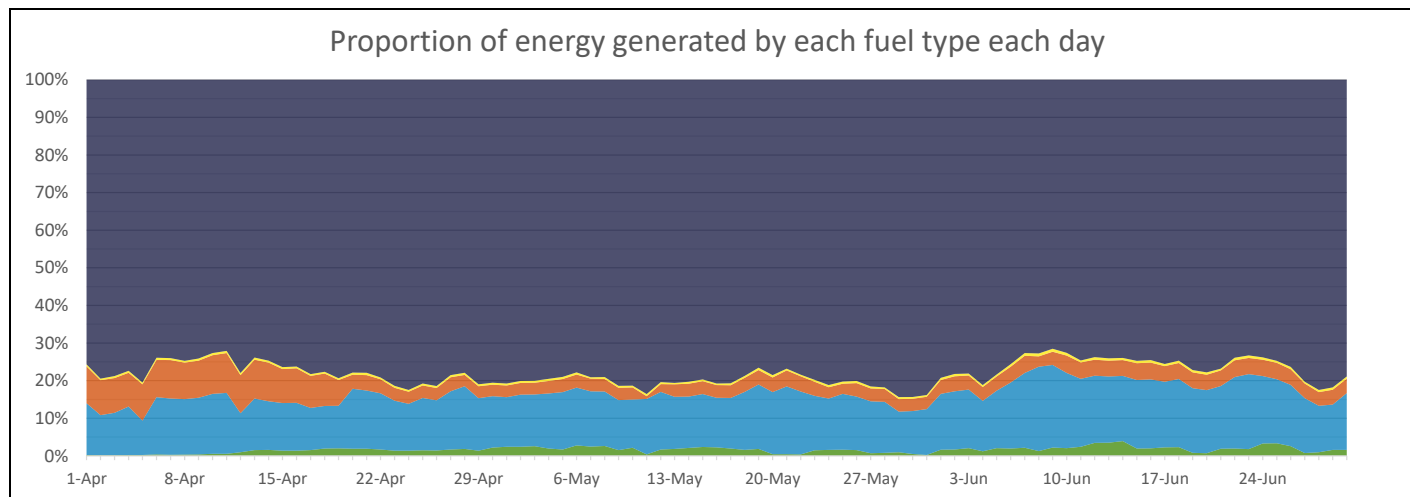
Fuel	MWh	Percent
Fossil	327,037	78.2%
Biomass	2,254	0.5%
Steam	20,557	4.9%
Distributed PV	61,577	14.7%
Utility Solar	6,578	1.6%



Best Hour:	62.2%	at	13:00, 9 Jun
Fuel	MWh	Percent	
Fossil	63.5	37.2%	
Biomass	1.1	0.6%	
Steam	0.0	0.0%	
Distributed PV	98.2	57.5%	
Utility Solar	7.9	4.6%	



Best Week:	21.0%	for	10 Jun - 16 Jun
Fuel	MWh	Percent	
Fossil	20,650	74.1%	
Biomass	175	0.6%	
Steam	1,213	4.4%	
Distributed PV	5,071	18.2%	
Utility Solar	775	2.8%	

* 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.