

DKIS Renewables Report: 1 Jan 2024 - 29 Dec 2024

Renewables
Penetration:

15.1%

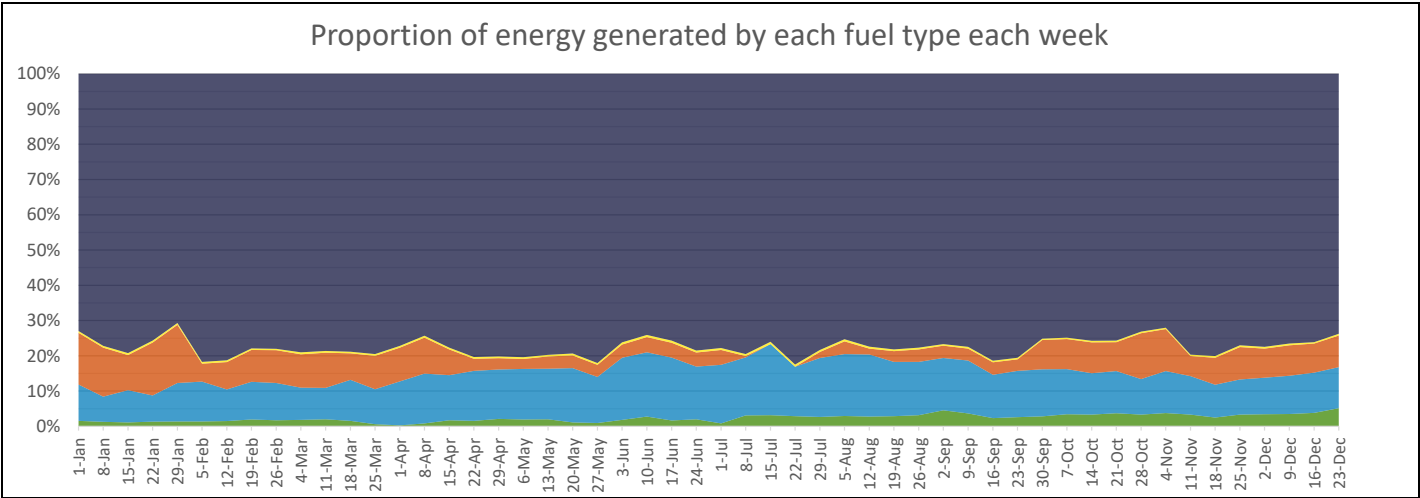
Fossil Fuels:

77.5%

Other Sources*:

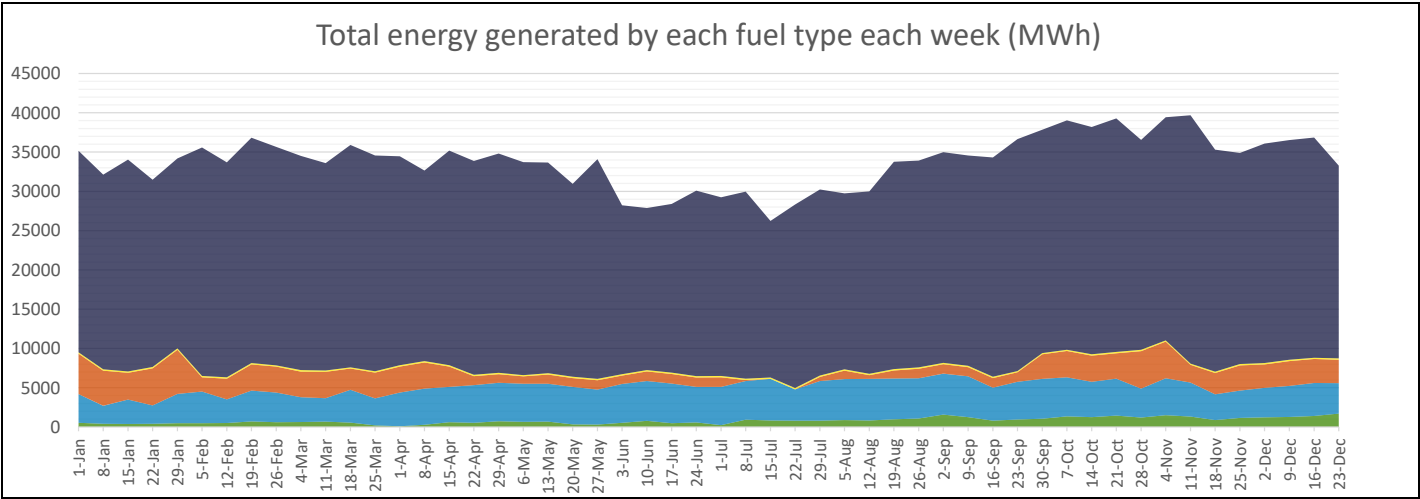
7.4%

Minimum Gross Demand:	94.8	MW @ 3:00, 19 Jul
Maximum Gross Demand:	332.4	MW @ 15:00, 13 Nov
Minimum Net Demand:	66.2	MW @ 12:00, 8 Jun
Maximum Net Demand:	286.3	MW @ 18:00, 11 Nov
Maximum Renewable Power:	135.6	MW @ 13:00, 2 Sep



Total Overall		
Fuel	MWh	Percent
Fossil	1,364,540	77.5%
Biomass	8,786	0.5%
Steam	120,838	6.9%
Distributed PV	224,055	12.7%
Utility Solar	41,934	2.4%

Best Hour:		
64.9%	at	12:00, 19 Jul
Fuel	MWh	Percent
Fossil	64.8	34.8%
Biomass	0.6	0.3%
Steam	0.0	0.0%
Distributed PV	103.9	55.8%
Utility Solar	17.0	9.1%



Best Week:		
23.3%	for	15 Jul - 21 Jul
Fuel	MWh	Percent
Fossil	19,944	76.0%
Biomass	166	0.6%
Steam	4	0.0%
Distributed PV	5,293	20.2%
Utility Solar	825	3.1%

* 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>)

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.

* 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.