

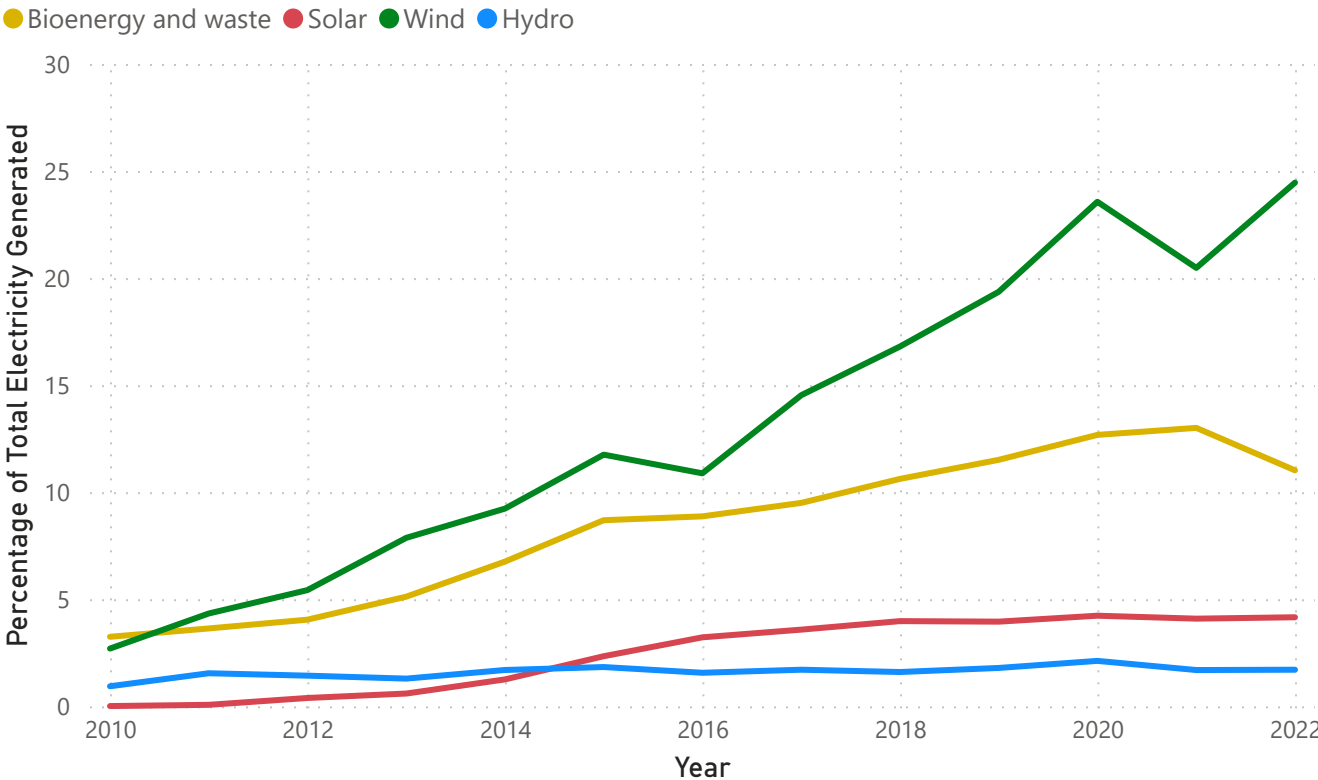
Renewable Energy in the UK Since 2010

135,011.74
Renewables in 2022 (GWh)

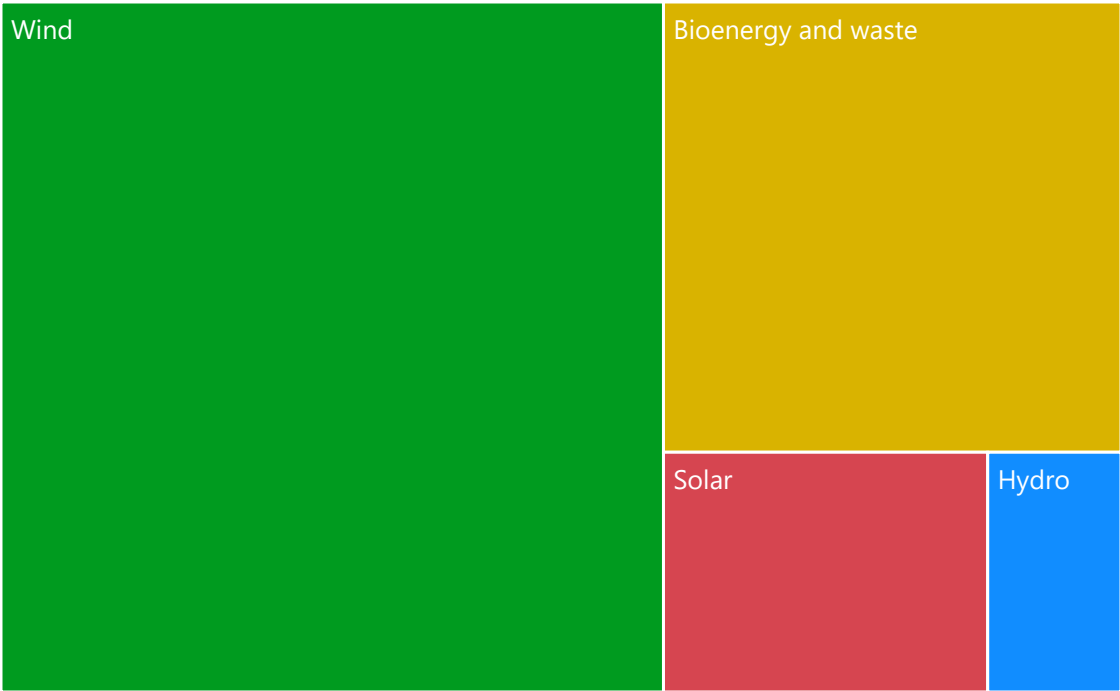
80,257.25
Wind over 2022 (GWh)

13,282.90
Solar over 2022 (GWh)

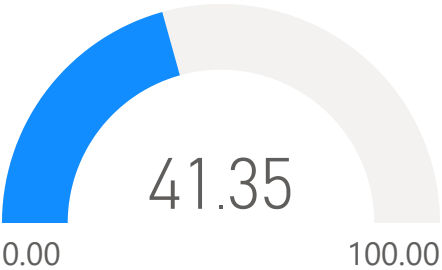
Evolution of the Key Renewables since 2010



Percentage of Electricity Generated in 2022



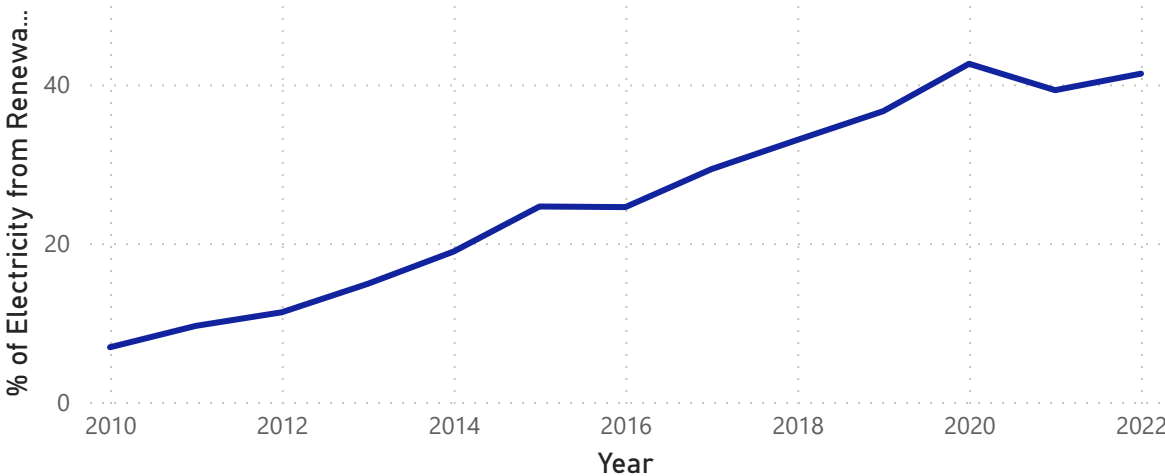
Percentage of Electricity from Renewables in 2022



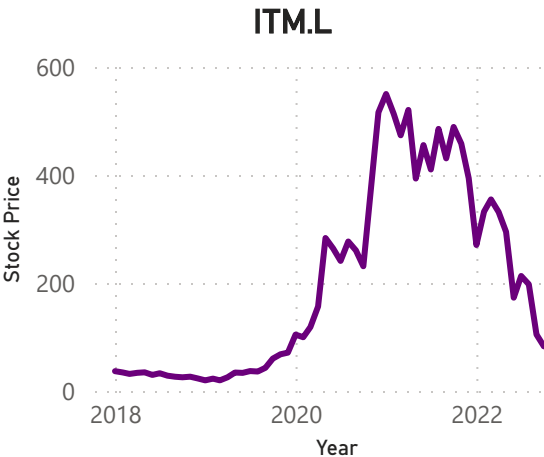
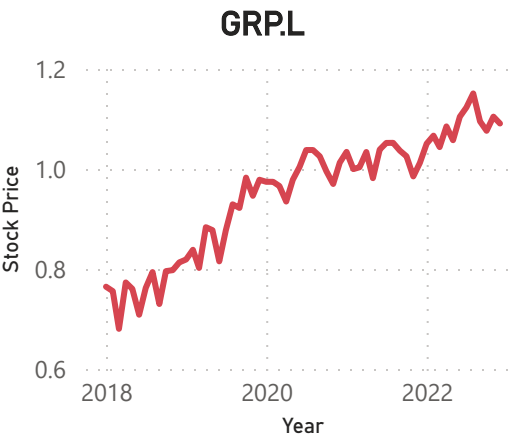
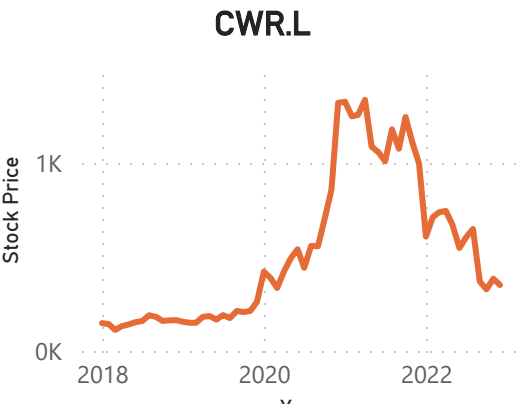
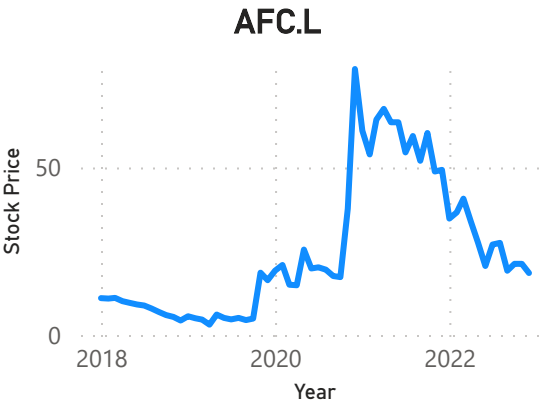
Renewables now account for over 41% of all the energy generated in the United Kingdom. As seen on the lower right plot, this proportion has increased dramatically since 2010 and the trend looks set to continue.

Wind power is responsible for the largest proportion of energy generated at around 24% of the total electricity demands over 2022. Coming in second is Bioenergy and Waste, a subsector which is extremely important yet receives little public coverage and interest.

Evolution of Total Renewables by Year



Renewables Stocks Analysis



Four of our five stocks follow a similar trend, exhibiting closely aligned highs and lows over the course of the last five years. Due to these similarities, our Mean - Variance optimisation shown to the right is fairly linear and we only see small reductions in Volatility by diversifying between these 5 stocks.

Even so, we have selected 5 possible Portfolios with increasing levels of Risk and Volatility. We still recommend investing in Renewables as part of an overall diversified portfolio to offset the Volatility seen in these Renewable stocks.

Average Monthly Returns 2018-2023

6.61%	3.04%	1.06%	0.70%	3.95%
AFC.L	CWR.L	GOOD.L	GRP.L	ITM.L

Our 5 Portfolios

#	Returns	Volatility	AFC.L Weight	CWR.L Weight	GOOD.L Weight	GRP.L Weight	ITM.L Weight
3	3.98%	0.20	0.18	0.27	0.02	0.04	0.48
5	2.32%	0.10	0.11	0.18	0.04	0.51	0.17
1	5.08%	0.30	0.54	0.05	0.06	0.02	0.33
4	3.15%	0.15	0.16	0.31	0.08	0.22	0.22
2	4.70%	0.26	0.42	0.13	0.09	0.00	0.36

