

Project 3 report

This project is to calculate the probability of each event which happen in both type of power farm including wind farm and solar farm.

There are 3 events that happen in both type of power farm including power plant produce less than 3 MWh of energy, from 3 MWh to 6 MWh of energy, and greater than 6 MWh of energy.

1/ Because the probability of each event is based on the number of day that each event happens so the sample space of the experiment will be 1000 days.

2/

	Wind farm	Solar farm
Less than 3 MWh	0.1740	0.0540
From 3 MWh to 6 MWh	0.7000	0.7890
Greater than 6 MWh	0.1260	0.1570

3/ Because the company can really make profit if the energy farm produces more than 6 MWh of energy. Therefore, I would recommend this company invest in solar farm because the probability that solar farm produce more than 6MWh is greater than Wind farm in the same condition ($0.1570 > 0.1260$).